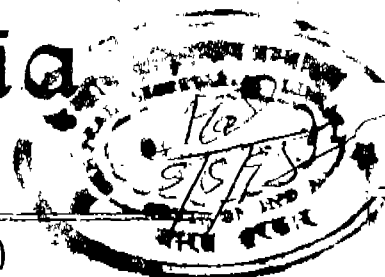




भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY



सं० 13]

नई दिल्ली, शनिवार, मार्च 28, 1998 (चैत्र 7, 1920)

No. 13]

NEW DELHI, SATURDAY, MARCH 28, 1998 (CHAITRA 7, 1920)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों के सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 28th March 1998

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Besant Nagar, Chennai-600 090.

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Building, 5th, 6th & 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

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All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 28 मार्च, 1998

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न प्रकार प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांडो इस्टेट,
तीसरा तल, लॉजर परबेल (प.),
मुम्बई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, वसन्त तथा शीत एवं
शायर और नगर हवेली ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
विंग "सी" (सी-4, ए),
तीसरा तल, राजाजी भवन,
बम्बई नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु,
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय
तथा एमिनिदिवि द्वीप ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जयवीर शास्त्री मार्ग,
कलकत्ता-700 020 ।

भारत का अवर्षण क्षेत्र ।

तार पता - "पेटेंटोफिस"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपीकृत सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क : शुल्कों की अवधि या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनावेश अथवा
अन्य आवेश या जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
बैंक द्वारा की जा सकती है ।

CHANGE OF ADDRESS

The Address of service in request of Shri T. P. Srinivasan,
a Patent Attorney is changed as follows :

Address

Shri T. P. Srinivasan,
27, Kalyana Ganapathi Street,
New Colony, Porur,
Madras-600 116.

APPLICATION FOR THE PATENT FILED AT THE
HEAD OFFICE
234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20.

The dated shown in the crescent brackets are the dated
claimed under section 135, under Patent Act, 1970.

03-02-1998

169/Cal/98. Canal+Societe Anonyme, "An improved audio
visual transmission system and packet filter there-
for".

170/Cal/98. Canal+Societe Anonyme, "Buffer management
system for a computer memory organization".

171/Cal/98. Canal+Societe Anonyme, "Receiver/Decoder,
system and method of buffer management and
data transfer system".

172/Cal/98. Arthur William Bullman, "A toothbrush" (Con-
vention No. P04957 on 5-2-97 in Australia).

173/Cal/98. Automated Connectors, Incorporated, "Remotely
operable pressure vessel system" (Convention No.
08/790,847 on 3-2-97 & 08/932,419 on 17-9-97
in USA).

174/Cal/98. Plant Engineering Consultants, Inc., "Precision
winding apparatus and method" (Convention No.
60/037,821 on 5-2-97 in USA).

175/Cal/98. General Electric Company, "Method for pre-
paring diaryl carbonates with improved selecti-
vity".

176/Cal/98. Bertrand Faure Equipments SA, "An instantly
lockable slideway".

177/Cal/98. RXS Kabelgarnituren GMBH, "Casing made of
synthetic resin (plastic) with additions (mixture)
of insecticides" (Convention No. 19704349.6 on
5-2-97 in Germany).

178/Cal/98. Siemens Aktiengesellschaft, "Method and device for controlling a combustion system and for catalytic cleaning of exhaust gases, and a combustion system" (Convention No. 19704558.8 on 6-2-97 in Germany).

179/Cal/98. Siemens Aktiengesellschaft, "Admission section of a turbine casing" (Convention No. 19704556.1 on 6-2-97 in Germany).

04-02-1998

180/Cal/98. Delojyoti Bandopadhyay, "A device for producing a combustible mixture of hydrocarbon gas and air/oxygen yielding enhanced quantity of heat energy, for domestic/industrial application".

181/Cal/98. Canal+Societe Anonyme, "Apparatus for transmitting data".

182/Cal/98. Canal+Societe Anonyme, "Scrambling unit for a digital transmission system".

183/Cal/98. Rieter Automotive (International) AG, "Lambda/4-Absorber with an adjustable band width" (Convention No. 1997 0389/97 on 19-02-97 in Switzerland).

184/Cal/98. AEG Elotherm GMBH, "Method of hardening camshafts and linear inductor for carrying out the method" (Convention No. 19704438.7-24 on 06-02-97 in Germany).

185/Cal/98. 1. Siemens Aktiengesellschaft, 2. The Babcock & Wilcox Company, "Coal-Fired Steam power plant" (Convention No. 08/799,152 on 14-02-97 in USA).

186/Cal/98. Siemens Aktiengesellschaft, "Helix antenna" (Convention No. 19705334.3 on 12-2-97 in Germany).

187/Cal/98. Siemens Aktiengesellschaft, "Method for manufacture for an elevated condensor electrode" (Convention No. 19705352.1 on 12-02-97 in Germany).

188/Cal/98. Edward Mendell Co. Inc., "A method of manufacturing a food product" (Convention No. 08/419,633 on 06-04-95 in U.S.A.) (Divided out of No. 467/Cal/96; dated 15-3-96).

05-02-1998

189/Cal/98. Canal+Societe Anonyme, "System for preventing fraudulent access in a conditional access system and transmitter and a receiver/decoder therefor".

190/Cal/98. Airspray International B. V., "Dispensing assembly for dispensing two liquid components". (Convention No. 1005189 on 5-2-97 in The Netherlands).

191/Cal/98. Commscope, Inc., "Aerially installed communications cable" (Convention No. 08/797,555 on 06-02-97 & 08/848,512 on 28-04-97 in U.S.A.).

192/Cal/98. Ensyn Group, Inc., "Method and apparatus for a circulating bed transport fast pyrolysis reactor system".

193/Cal/98. BioInterventional Corporation, "Expansible device for use in blood vessels & tracts in the body & tension application device for use therewith & method" (Convention No. 08/798,870 on 11-2-97 & 08/972,383 on 18-11-97 in U.S.A.).

194/Cal/98. 1. The National University of Singapore, 2. Institute of Molecular & Cell Biology, "Diagnosis of parasites" (Convention No. P04953/97 on 06-02-97; P06329/97 on 21-04-97 & P09481/97 on 26-09-97 in Australia).

195/Cal/98. Siemens Aktiengesellschaft, "Pulse generator and method for activating a fitting in a nuclear power plant by means of a pulse generator" (Convention No. 19706551.1 on 19-02-97 in Germany).

196/Cal/98. Siemens Aktiengesellschaft, "Solar power plant, in particular a parabolic trough solar power plant" (Convention No. 19707701.3 on 26-02-97 in Germany).

06-02-1998

197/Cal/98. Menarini Recherche S.P.A., "Monocyclic compounds with four bifunctional residues having NK-2 antagonist action" (Convention No. FJ97A-000020 on 07-02-1997 in Italy).

198/Cal/98. Nokia telecommunications OY, "System for extending the mobility of a wireless subscriber's station" (Convention No. 970644 on 14-02-1997 in Finland).

199/Cal/98. Bareilly Chemicals Pvt. Ltd., "Process for preparation of katha from cashew testa, batti katha and gambier bootch".

200/Cal/98. Connector Systems Technology N.V., "Press fit circuit board connector" (Convention No. 08/804,717 on 21-02-97 in USA).

09-02-1998

201/Cal/98. Koninklijke Emballage Industrie Van Leer N.V., "Open head plastic drum and manufacturing method" (Convention No. 1005238 on 10-02-1997 in Netherlands).

202/Cal/98. Ishihara Sangyo Kaisha Ltd., "Process for production of acrylonitrile compounds and pesticides containing them" (Convention No. 9-47036 on 14-02-97; 9-179031 on 18-06-97 & 9-279509 on 25-09-97 in Japan).

203/Cal/98. Ishihara Sangyo Kaisha Ltd., "Acrylonitrile compounds and pesticides containing them" (Convention No. 9-47036 on 14-2-97; 9-179031 on 18-06-97 & 9-279509 on 25-09-1997 in Japan).

204/Cal/98. Mitsubishi Denki Kabushiki Kaisha, "Force storing mechanism" (Convention No. 9-100292 on 17-4-97 in Japan).

205/Cal/98. 1. Zimmer Aktiengesellschaft, 2. Degussa Aktiengesellschaft, "Process for production of polypropylene terephthalate" (Convention No. 19705249.5 on 12-02-1997 in Germany).

206/Cal/98. BK Giuliani Chemie GMBH & Co. OHG., "Process for the purification of wet-process phosphoric acid".

207/Cal/98. Gerhild Wildner, "Peptides as diagnostic and therapeutic agents for autoimmune diseases".

208/Cal/98. E. I. Du Pont De Nemours and Company, and Degussa Aktiengesellschaft, "Compounds and processes for making herbicidal sulfonamides" (Convention No. 60/038,429 on 19-2-97 in USA).

209/Cal/98. Joel Victor Miller, "Desalinization method and apparatus".

10-02-1998

210/Cal/98. Sheikh Riazuddin, "Novel bacillus thuringiensis compositions active against sucking insects" (Convention No. 60/040,243 on 11-02-97 in U.S.A.).

211/Cal/98. The Track Shop Pty Ltd., "Abrasion resistant surface coatings and method of forming same" (Convention No. P05047 on 10-2-97 and P06499 on 30-4-97 in Australia).

212/Cal/98. Krupp Werner & Pfleiderer GMBH, "Screw extruder mechanism, in particular twin-screw extruder mechanism, for the processing of strongly outgassing materials" (Convention No. 19708097.9 on 28-2-97 in Germany).

11-02-1998

COMPLETE SPECIFICATION ACCEPTED

- 213/Cal/98. IFB Automotive Seating & Systems Limited, "Lever type recliner assembly".
- 214/Cal/98. Whirlpool Corporation, "Cellular tray for ice block production" (Convention No. MI 97A01599 on 4-7-97 in Italy).
- 215/Cal/98. Air Control Science, Inc., "Passive dust control system" (Convention No. Nil on 26-1-98 in U.S.A.).
- 216/Cal/98. Xahti Corporation, "Media access control micro-risc stream processor and method for implementing the same" (Convention No. 60/037,588 on 11-2-97; 60/050,210 on 19-6-97 and 08/963,551 on 12-11-97 in U.S.A.).
- 217/Cal/98. Xahti Corporation, "Media access control architectures and network management systems"

Convention No.	Country	Date
U.S.A.	11-02-1997	60/037,588
U.S.A.	24-04-1997	08/845,562
U.S.A.	24-04-1997	08/845,563
U.S.A.	24-04-1997	08/845,272

- 218/Cal/98. Siemens Aktiengesellschaft, "Radio Device".
- 219/Cal/98. General Electric Company, "Phenol tar desalting method".
- 220/Cal/98. Windmoller & Holscher, "Printing machine" (Convention No. 19705369.6 on 12-2-97 in Germany).
- 221/Cal/98. Michael N. Cagan., "Drinks can" (Convention No. 19706112.5 on 17-2-97 in Germany).
- 222/Cal/98. Dowa Mining Co. Ltd., "Control method of and apparatus for atmosphere in heat treatment furnace" (Convention No. 48,597/97 on 18-2-97 in Japan).
- 223/Cal/98. Saint-Gobain Vitrage, "Window for protecting against radiation" (Convention No. FR97/0,663 on 13-2-97 in France).

12-02-1998

- 224/Cal/98. L. O. M. Laboratories Inc., "Pneumatic refractile syringe" (Convention No. 08/832,104 on 3-4-97 in U.S.A.).
- 225/Cal/98. Tovarischestvo S Ogranichennoi Ovetstvennostiu "Tekhnovak + A method for producing a non-evaporable getter and a getter produced by said method" (Convention No. 97104447 on 28-3-97 in Russian Federation).
- 226/Cal/98. Glaxo Group Limited, "Phenyl xanthine esters and amides" (Convention No. 9703044.9 on 14-2-97 in United Kingdom).
- 227/Cal/98. Dowa Mining Co. Ltd., "Control method of and apparatus for atmosphere in heat treatment furnace" (Convention No. 48,598/97 on 18-2-97 in Japan).
- 228/Cal/98. Merck Patent Gesellschaft Mit Beschränkter Haftung, "Bicyclic aromatic amino acids" (Convention No. 19705430.1 on 13-2-97 in Germany).
- 229/Cal/98. DCV, INC., "Method for treating cotyledonous plants" (Convention No. 08/799,741 on 12-2-97 in USA).
- 230/Cal/98. Combustion Engineering, Inc., "A circulating fluidized bed steam generator (CFB) with a superheater and a reheater" (Convention No. 08/801,714 on 14-2-97 in U.S.A.).
- 231/Cal/98. Genenova Corporation, "Device and methods comprising a serum albumin and a target antigen".

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month, applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्धित आवेदनों में से किसी पर पेटेंट अर्थात् के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि में चार (4) महीने या अधिक अर्थात् के उक्त 4 महीने को अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आर्शेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एजेंस को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

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Ind. Cl. : 83 A I

180851

Int. Cl. : A 21 C 001/06

A DEVICE FOR PNEUMATIC EXTRUSION OF DOUGH INTO SHEET OR STRANDS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA
AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

Inventors : VENKATESH MURTHY KESTUR, SHANKARAM THADATHIL GANGADHARAN JAYAPRAKASHAN.

Application for Patent No. : 60/Del/91 filed on date 23-01-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A device for pneumatic extrusion of dough into sheet or strands, which comprises a vessel (7), having flanges (14 & 15) at its top and bottom, the flanges having grooves (16, 17) for housing suitable gaskets, a cover plate (3) is provided over the said flange (14) in a manner to make the vessel (7) gas tight by conventional means, the said cover plate (3) having a quick fix coupling (13) on its top at its centre for admitting compressed gas into the vessel, the bottom of the cover plate being provided with a gas deflector (19) for preventing the gas stream directly impinging on the dough mass contained in the vessel (7), in between the cover plate and the flange (14), a gasket being provided which rests in the groove (17) of the flange to make the arrangement gas tight, a plate (9) having a slot (18) fixed gas tight on to the flange (15) at the bottom of the vessel with a gasket which rests on the groove (16) in the flange (15).

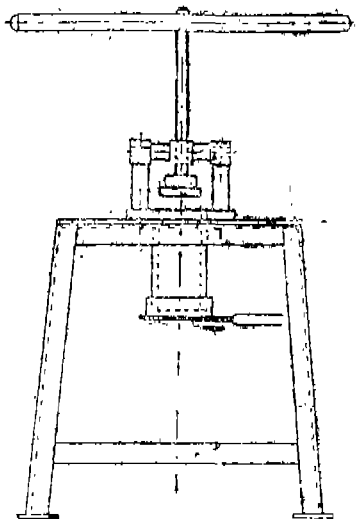


Fig. 1

(Compl. Specn. : 13 pages;

Drawing : 3 sheets)

Ind. Cl. : 49 F

180852

Int. Cl. : A 21 C 11/00

A DEVICE FOR DUSTING AND CUTTING OF DOUGH SHEET INTO ANY GEOMETRICAL SHAPE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860)

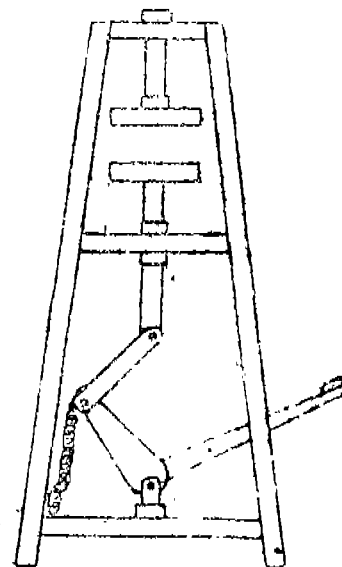
Inventors : VENKATESH MURTHY KESTUR AND SHANKARAM THADATHIL GANGADHARAN JAYAPRAKASHAN.

Application for Patent No. : 63/Del/91 filed on date 23-1-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A device for dusting and cutting of dough sheet into any geometrical shape which comprises of a geared motor (1) fixed to a frame (8) slat cutter (2), having been bolted on a chain conveyor and having a counter bolt to accommodate the cut portion of the dough sheet, the edge of the slat cutter having been tapered to an angle of 4° , the chain conveyor being driven by a pair of sprockets (1A) which is mounted on a shaft which is in turn housed in antifriction bearings, the sprocket (1A) being driven by the geared motor (1) through a roller chain, roller (3) and bearing plates (3A) being fixed to the top of the frame (8), the roller being housed inside the plate (3A) which imparts the roller a 6° freedom, the roller (3) being placed such that it rests on the slat cutter (2) and the dough sheet is formed into geometrical shapes because of the weight of the roller, two dusting assembly (4) being located one before the pressing roller for spraying on the conveyor and the other after the press roll for spraying on top of the dough sheet, the dusting assemblies consisting of a tube closed at both ends fitted with a sieve and a hopper on its periphery, a rotary brush is operating within, capable of spraying dry flour when the rotary brush passes against the perforated sieve, a return conveyor (5) provide for transferring the uncut portion of the dough sheet for recirculation, perforated chutes (6) & tray (6A) are provided to collect the cut dough sheet of desired geometrical shapes.



(Compl. Specn. : 11 Pages;

Drawings : 2 Sheets)

Ind. Cl. : 106, 107 (g)

180853

Int. Cl. : F 02 M 7/02, 7/03

AN INTERNAL COMBUSTION ENGINE FUEL INJECTOR.

Applicant : ORBITAL ENGINE COMPANY PROPRIETARY LIMITED OF 1 WHIPPLE STREET, BALCATT, WESTERN AUSTRALIA 6021, AUSTRALIA.

Inventors : ROBERT MAX DAVIS, JORGE MANUEL PEREIRA DASILVA.

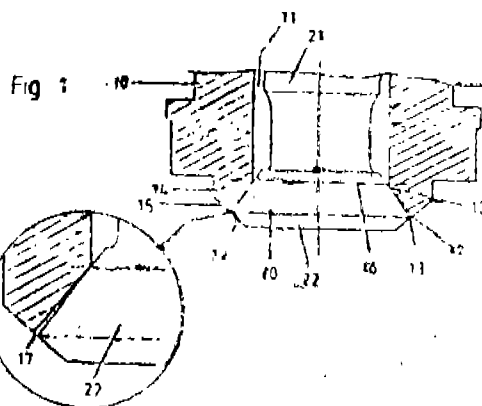
Application for Patent No. : 68/Del/91 filed on date 23-01-91.

Convention date 26-01-90 No. PJ 8341 Country Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

An internal combustion engine fuel injector having a selectively openable nozzle¹⁰ through which fuel is delivered to a combustion chamber of the engine, said nozzle¹⁰ comprising a port¹² having an internal annular surface¹³ and a valve member²⁰ having an external annular surface²³ co-axial with respect to said internal annular surface¹³ said valve member²⁰ being axially movable relative to said port¹² to selectively provide between said internal¹³ and external²³ annular surfaces a continuous passage for the delivery of fuel therethrough or sealing contact therebetween along a circular seat line¹⁶ substantially co-axial to the respective annular surfaces¹³, ²³ to prevent the delivery of fuel therebetween, characterized in that said annular surfaces¹³, ²³ are relatively configured so that when said internal and external annular surfaces¹³, ²³ are in sealing contact along said circular seat line¹⁶ the maximum width of the passage between the said surfaces¹³, ²³ on at least one side of the seat line¹⁶ is not substantially more than 30 microns in the direction normal to said surfaces¹³, ²³.



(Complete Specification : 12 Pages; Drawings : 2 Sheets)

Ind. Cl. : 128 G

180854

Int. Cl. : A 61 B 17/00

"A DEVICE FOR ELONGATION OF THE OESOPHAGUS".

Applicant : SAROJ CHOORAMANI GOPAL, AN INDIAN NATIONAL OF B-5/E-2, MEERA COLONY, BANARAS HINDU UNIVERSITY, VARANASI-221005, UTTAR PRADESH, INDIA.

Inventor : SAROJ CHOORAMANI GOPAL.

Application for Patent No. : 71/Del/91 filed on date 25-1-91.

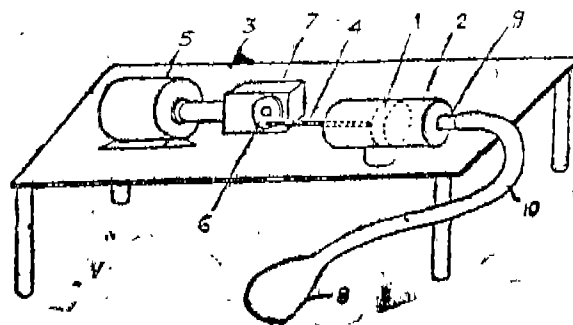
Complete left after provisional specification on date 27-4-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A device for causing an elongation of the oesophagus comprising a piston (1) provided in a cylinder (2) fitted on a base, (3) the outer end of said piston (1) being connected to a driving means (5) secured on the made of a flexible

material so as to be placed in the oesophagus being connected to the outlet (9) of said cylinder (2) through a catheter, (10) liquid such as mercury being provided in the said balloon (8) so as to give a pulsating movement to said balloon (8) upon reciprocating movement of said piston (1).



(Provisional Specification : 5 Pages; Drawing Sheets : Nil)

(Complete Specification : 8 Pages; Drawing : 1 Sheet)

Ind. Cl. : 94 C [XXXIII (4)]

180855

Int. Cl. : B 02 C 15/00

ROTOR FOR IMPACT OR HAMMER MILLS AND A PROCESS FOR THE FABRICATION THEREOF.

Applicant : NOELL SERVICE UND MASCHINEN-TECHNIK GMBH, A GERMAN COMPANY ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF AM PFERDEMARKT 15, D-30853 LANGENHAGEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : ROLH KONIG, GERHARD HEMESATH. (GERMANY).

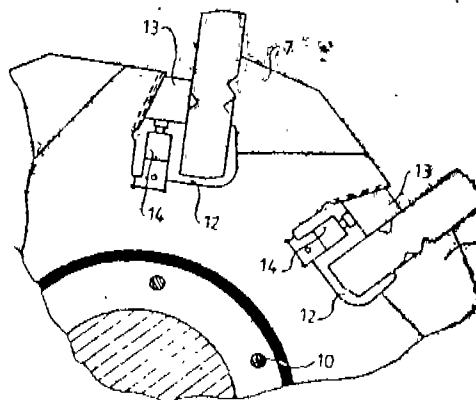
Kind of Application : Complete.

Application for Patent No. : 75/Del/91 filed on date 25-1-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

A Rotor for Impact or Hammer Mills, Comprising a plurality of cast steel rotor disks weldably connected and having widened naves in contact with one another, said naves of the rotor disks being weldably connected to each other by means of annular weld seams, said rotor disk parts outside the nave in conjunction with corresponding parts of adjacent rotor disks leave a circumferential gap to permit access of a welding implement to the naves.



(Complete Specification : 16 Pages; Drawings : 4 Sheets)

Int. Cl. : H04J 1/00

180856

Ind. Cl. : 206 GK.

A RADIO FREQUENCY SYSTEM FOR COMMUNICATION OF INFORMATION AS PACKETS.

Applicant : MOTOROLA INC., A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1303 EAST ALGONQUIN ROAD, SCHAMBURG, ILLINOIS, 60196, UNITED STATES OF AMERICA.

Inventors :

1. DALE ROBERT BUCHHOLZ.
2. HUNGKUN JAMES CHANG.
3. WILLIAM KEVIN DOSS.
4. BRIAN JOSEPH WESSELMAN.

Application for Patent No. 79/Del/91 filed on 29-1-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972). Patent Office Branch, New Delhi-110 005.

4 Claims

A radio frequency data communications system communicating information as packets between a communications unit and a plurality of user modules connected to user devices comprising, communications unit connected to a packet network, the plurality of user modules connected to user devices, said communications unit comprising :

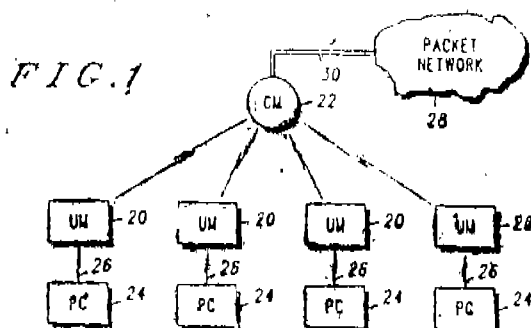
multiple directional antennae oriented to form a 360° radio coverage pattern across a horizontal plane around said antennae covering said 360° radio coverage pattern inclusively, wherein each antenna transmits and receives radio frequencies within a segment of said 360° radio coverage pattern and only one of said antennae is active at a time,

a control means consisting of a microprocessor coupled to said multiple directional antennae,

a packet processor connected to said network and operatively connected to said user modules for determining whether to communicate a packet received from said packet determining network as a broadcast packet said user modules and for whether to communicate a packet received from said user module as a broadcast packet to said user modules and to said packet network,

a flag for labeling each broadcast packet to be transmitted to said user modules with a predetermined code in a header portion of said broadcast packet, said header portion generated by said microprocessor, and

a transmitter connected to said microprocessor for transmitting each broadcast packet on each one of said antennae, wherein only one of said antennae is active at a time.



(Compl. Specn. 16 pages;

Drngs. 5 sheets.)

Ind. Cl. : 170 D

180857

Int. Cl. : C 11 D 1/94.

LIQUID HARD SURFACE DETERGENT COMPOSITIONS CONTAINING ZWITTERIONIC DETERGENT SURFACTANT AND MONOETHANOLA MINE AND/OR BETA-AMINOALKAOH.

Applicant : THE PROCTER & GAMBLE CO., UNITED STATES OF AMERICA, PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA

Inventor : DANIEL WAYNE MICHEAL.

Application for Patent No. 82/Del/91 filed on 30-1-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972). Patent Office Branch, New Delhi-110 005.

18 Claims

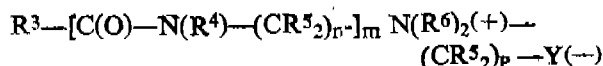
An aqueous liquid hard surface detergent composition comprising :

(a) from 0.001% to 15% of zwitterionic detergent surfactant,

(b) from 0.05 to 10% of a solvent/buffer system,

(c) optionally an anionic and/or nonionic surfactant and

(d) the balance being an aqueous solvent system and/or minor ingredients wherein said zwitterionic detergent surfactant has the formula :



wherein each R^3 is an alkyl, or alkylene, group containing from 8 to 20 carbon atoms, each (R^4) and (R^6) is selected from hydrogen methyl, ethyl, propyl, hydroxy substituted ethyl or propyl and mixtures thereof, each (R^5) is selected from hydrogen and hydroxy groups, with no more than about one hydroxy group in any $(CR^5)_n$ moiety; m is 0 or 1, and each n and p is a number from 1 to 4, and Y is sulfonate or carboxylate group, preferably a sulfonate group, said zwitterionic detergent surfactant being more preferably hydrocarbyl-amidoalkylene sulfobetaine detergent surfactant, and said solvent/buffer system that comprises monoethanolamine and or beta-aminoalkanol containing from three to about six carbon atoms or an organic solvent having a hydrogen bonding parameter of from 2 to 7.7 of the kind such as herein described.

(Compl. Specn. 30 pages;

Drng. sheet Nil.)

Ind. Cl. : 129 J

180858

Int. Cl. : B 21 D 11/14.

A NO TWIST SLIT-ROLLING APPARATUS FOR THE PRODUCTION OF STEEL REINFORCING BARS.

Applicant : DAVID TENG PONG OF 1209 JARDINE HOUSE 1 CONNAUGHT PLACE, HONG KONG.

Inventor : DAVID TENG PONG (PT).

Application for Patent No. 83/Del/91 filed on 30-1-1991.

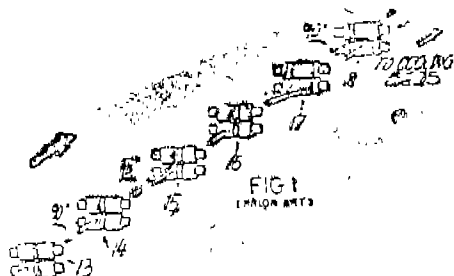
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972). Patent Office Branch, New Delhi-110 005.

7 Claims

A no twist slit-rolling apparatus for the production of steel reinforcing bars from steel rod, the apparatus comprising a succession of steel stands through which the steel rod being rolled passes, each stand having rolls with adjacent

roll profiles to shape the steel rod passing through the stand, said rolls being mounted shafts on the sides of the rolls, said apparatus being characterized in that :

at a first of said stands the sides of its rolls are offset approximately 45° in a first direction from a reference plane, and at a second of said stands, disposed at a distance from the first stand, the sides of its rolls are offset approximately 45° in a second direction, opposite to said first direction, from said reference plane, with the sides of the rolls in the two stands thus offset from each other approximately 90°, both stands being disposed at one end of the apparatus, where the rolling of the steel rod begins; slitter means including opposed rolls have sides of the rolls in said first and second stands, said slitter means is located downstream of said second stand for receiving the steel rod from said second stand without intermediate twisting, for slitting the rod into divided rod segments; a plurality of further said stands are disposed in lateral offset lines downstream of the slitter means at the opposite end of the apparatus for receiving respective divided rod segments from the slitter means and completing the rolling of said rod segments into reinforcing bars, and means for conveying the rod segments from the slitter means to the lateral offset lines of said further stands disposed downstream, of the slitter means without twisting of said divided rod segments.



(Compl. Specn. 17 pages;

Drngs. 10 sheets.)

Ind. Cl. : 201A.

180859

Int. Cl. : C02 F1/00.

AN IMPROVED AERATION DEVICE USEFUL FOR AERATING LIQUIDS.

Applicants : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001.

Inventors :

1. ANAND SURESHCHANDRA BAL.
2. CHANDRAKANT GAJANAN MALEWAR.
3. HARIDAS JAGANNATH PATIL.
4. ANDREAS CHARLES MANUEL.

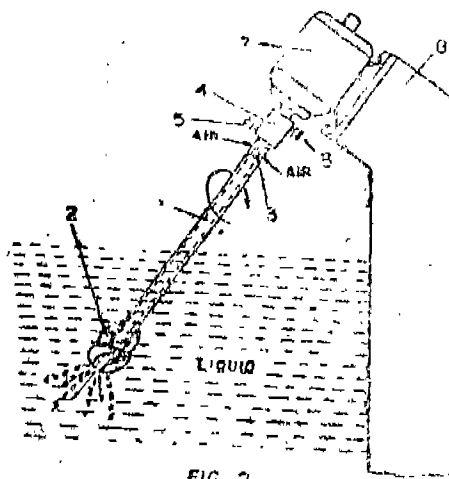
Application for Patent No. 101/Del/91 filed on 07-02-1991.

Complete left after Provisional filed on 6-5-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

An improved aeration device useful for aerating liquids which comprises a hollow tube (1) having an impeller (2) fixed to its lower end, the upper end of the hollow tube being fixed to a prime mover, (7) the upper portion of the said hollow tube having perforations (3) for passage of air through the tube into the liquid being aerated.



(Prov. Specn. 4 pages;

Drng. 1 sheet.)

(Compl. Specn. 7 pages;

Drng. 1 sheet)

Ind. Cl. : 128G

180860

Int. Cl. : B25B 27/00.

A HAND BURR FOR MAKING HOLES IN THE SKULL BONE.

Applicant : SAROJ CHOORAMANI GOPAL, AN INDIAN NATIONAL OF B-5/F-2 MEERA COLONY, BANARAS HINDU UNIVERSITY, VARANASI-221005, UTTAR PRADESH.

Inventor : SAROJ CHOORAMANI GOPAL.

Application for Patent No. 102/Del/91 filed on 07-02-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A hand burr device for making holes in the skull bone comprising a handle (H) for rotating said device, a vertical tubular rod (R) provided with saw teeth (TH) at the lower end thereof being secured at the centre of said handle, (H) a channel (C) being provided at the lower portion of said vertical rod for securing a brain guard (G) therein, a triphine (T) having a pointed end (E) being disposed in the lower half portion of said vertical rod (R) for fixing the device on the skull bone while operating the said device for making the hole in the skull bone.

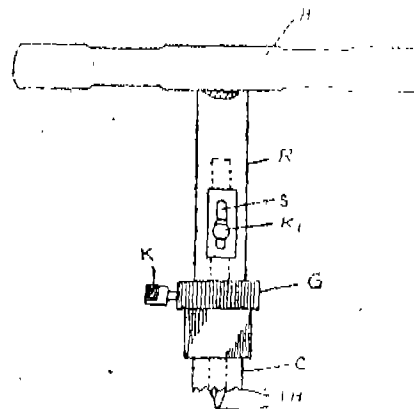


Fig 1

(Compl. Specn. 8 pages;

Drng. 1 sheet.)

Ind. Cl. : 128EG

180861

Int. Cl. : A61B 5/22, 5/00.

A MYOELECTRIC HAND.

Applicants : THE SECRETARY, DEPARTMENT OF SCIENCE AND TECHNOLOGY, GOVT. OF INDIA, TECHNOLOGY BHAVAN, NEW MHRALI ROAD, NEW DELHI-110 016.

Inventor : GOPAL CHANDRA RAY.

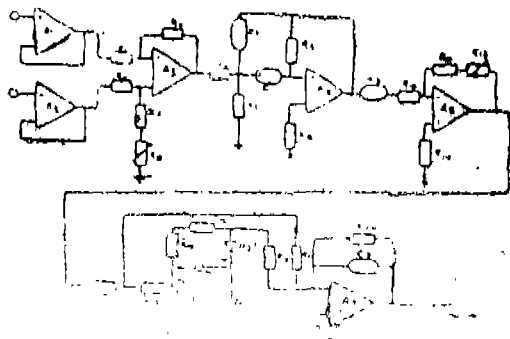
Application for Patent No. 329/Del/91 filed on 15-04-1991.

Complete left after provisional filed on 16-7-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A myoelectric hand comprising electromyographic (EMG) channel means for receiving myoelectric signals and processing said signals for operating a motor unit M connected therewith a drive circuit, said EMG channel means has a voltage follower having a pair of buffers A1 & A2 for providing ideal buffers between the high impedance and low impedance, the output of said buffers A1 & A2 connected to an amplifier A3 connected to a band pass filter, A4 the output of said band pass filter A4 connected to a variable gain amplifier A5 output of which being connected to a full wave rectifier A6 provided for rectifying appropriate signals, the output of the full wave rectifier A6 connected to a low pass filter A7 connected to said drive circuit provided to drive said motor provided for performing the functions like gripping and ungripping by said myoelectric hand, a sweat compensating circuit being provided for compensating voltage gain of the EMG channel.



(Prov. Specn. 10 pages;
(Compl. Specn. 24 pages;

Drngs. 2 sheets.)
Drngs. 2 sheets.)

Ind. Cl. : 208

180862

Int. Cl. : B 43 25/00.

A WRITING INSTRUMENT.

Applicant : 2C CORPN. UNITED STATES OF AMERICA. C/O MISKIN & MANDELBAUM, 350 FIFTH AVENUE, NEW YORK, NEW YORK 10018, UNITED STATES OF AMERICA.

Inventor : ROLAND LONGARZO.

Application for Patent No. 342/Del/91 filed on 19-04-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2-517GI/97

14 Claims

A writing instrument comprising :

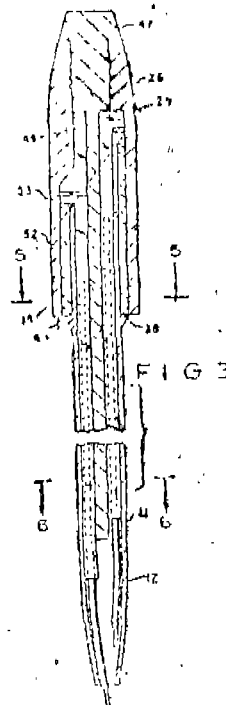
an upper barrel member having integrally formed on its upper inside face a cylindrical cam first part having along its bottom a top cam face :

a cylindrical cam second part telescoping the lower part of said barrel member and having along its top a bottom cam face complementing said top cam face and located relative to said top cam face to delineate a cylindrical cam track having peripherally spaced oppositely longitudinally peripherally inclined cam track section a longitudinal guide member coaxial with and rotatable relative to said cam track and having a pair of peripherally spaced longitudinal guide tracks;

a chuck member slidably engaging each of said guide tracks and having a follower projecting transversely into sliding engagement with a respective cam track section;

a lower barrel member depending from and coaxial with said upper barrel member and terminating at its bottom end in an axial aperture; and

a writing element engaging and movable with each of said chucks and extending downwardly towards said lower barrel member bottom end.



(Compl. Specn. 15 pages;

Drngs. 5 sheets.)

Ind. Cl. : 5 D

180863

Int. Cl. : F-16C, 33/76.

A SEALED SPHERICAL ROLLING BEARING.

Applicant : AB SKF, A SWEDISH COMPANY, OF S-415 50 GÖTEBORG, SWEDEN.

Inventors :

1. BENGT ENGSTROM
2. GUNNAR GRAFSTROM.

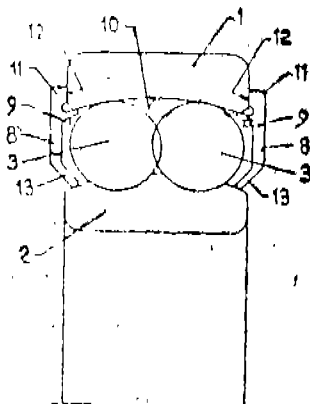
Application for Patent No. 348/Del/91 filed on 22-04-1991

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

Scaled spherical rolling bearing, which comprises an outer ring (1) with a spherical race track (10), inner ring (2) and between the rings (1, 2) situated roller elements (3) and seals (8) on one or both-sides. The invention is characterized in that the seals (8) are formed with a rim (9) which can be snapped against the spherical race track (10) and kept in the outer ring (1) by means of this rim (9) and a portion (11) which clamps against the side plane (12) of the outer ring (1). By this design there is no need for the outer ring to be provided with grooves for holding the seals.

Fig. 2



(Compl. Specn. 9 pages;

Drngs. 3 sheets.)

Ind. Cl. : 23H

180864

Int. Cl. : B65D, 85/72.

DISPENSING PACKAGE FOR VISCOUS AND SEMI-SOLID PRODUCTS.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventors :

1. JUAN CARLOS VINSEIRO MOURE, MEXICO.
2. JUAN CALEXTO RAMON RIVERO RAMOS, MEXICO.

Application for Patent No. 352/Del/91 filed on 23-04-1991

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A dispensing package for viscous and semi-solid compositions, wherein the composition is selected from the group consisting of gels, pastes, creams, lotions and mixtures thereof, characterized in that the said container for said composition comprising a bottom and a sidewall and provided with an opening wherein said side walls of said container are tapered so that the dimensions of said opening of said container are larger than the corresponding dimensions of said bottom of said container, and a dispensing sheet made of a flexible, resilient material, said dispensing sheet having an edge and being provided with a plurality of apertures;

wherein said dispensing sheet rests upon and adheres to the surface of a viscous or semi-solid composition contained

in said container, and wherein the shape of said dispensing sheet is substantially the same as the cross-section of said container.

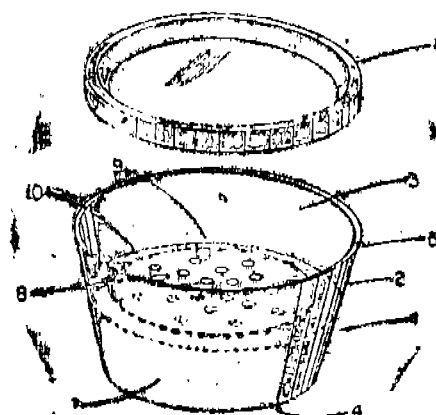


FIG. 1

(Compl. Specn. 16 pages;

Drngs. 4 sheets.)

Ind. Cl. : 69 A

180865

Int. Cl. : H01H 31/00.

A HIGH TENSION CIRCUIT BREAKER CONTAINING A GAS HAVING GOOD DIELECTRIC PROPERTIES.

Applicant : GEC ALSTHOM S.A., A FRENCH CO., OF 39 AVENUE KLEBER, 75116, PARIS, FRANCE.

Inventors :

1. VAN DOAN PHAM.
2. EDMOND THURIES.
3. JOSEPH MARTIN.

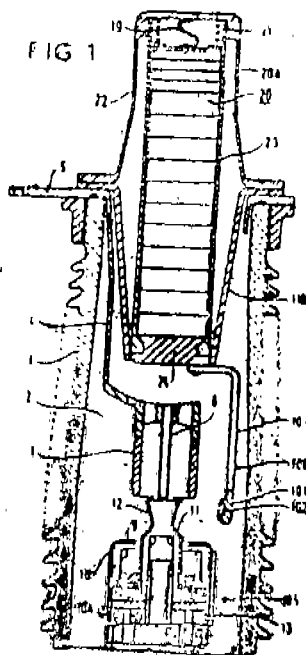
Application for Patent No. 362/Del/91. filed on 24-04-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

5 Claims

A high tension circuit breaker containing a gas having good dielectric properties, the circuit breaker comprising at least one interrupting chamber per phase, each chamber provided with a fixed main contact connected to a first current terminal and a moving main contact in electrical connection with a second current terminal, said moving contact constituting a portion of moving equipment connected to a drive mechanism a varistor located in line with said main contacts and insertable during circuit breaker opening and closing by means of two electrodes disposed outside and around the main contacts, a first electrode being electrically and mechanically connected to said varistor, the second electrode being connected to the moving equipment and being in an electrical connection with the main moving contact, wherein

the second electrode is semimoving relative to the moving equipment and is displaceable during circuit breaker opening in the opposite direction to the moving equipment.



(Compl. Specn. 10 pages;

Drngs. 2 sheets.)

Ind. Cl. : 180 XV (2)

180866

Int. Cl.⁴ : F224C 1/12, 5/00
5/04, 5/06.

AN IMPROVED WICK RAISING AND LOWERING DEVICE FOR LIQUID FUEL BURNING WICK APPLIANCES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIAN.

Inventors :

1. NISHAN SINGH.
2. KIRPAL SINGH KAMBO.
3. PREM NATH BHAMBI.

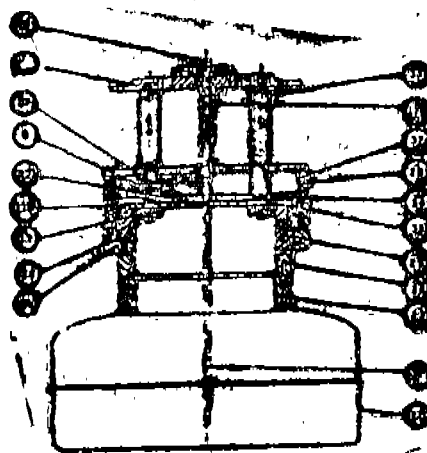
Application for Patent No. 365/Del/91 filed on 26-04-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

6 Claims

An improved wick raising and lowering device for liquid fuel burning wick appliances, which comprises a base ring fixed on to a fuel tank (20), characterised in that the base ring (23) inverted cup (30) having fixed at its top end for the wick (S) (4), another inverted cup (25) being placed on top of the first inverted cup (30), the second inverted cup (25) being provided with threads (24a) on its external vertical sides, its top surface having hole(S) (27) for wick (S) (4) to pass with corresponding vertical wick(S) holding tube(s) (5) fixed on its top surface, a cylindrical ring (28) having threads on its internal vertical sides are threaded on to the external threaded on to the external threads of the second inverted cup (25) such that the lower end of the cylindrical ring (28) rests on the top edge of the base ring (23), the upper end of the cylindrical ring (28) supporting a disc (31) having hole(S) (27) for wick(S) (6) and corresponding

vertical wick holding tube guide(S) (7) fixed on its top surface, at the top end of the wick-holding-tube guide(s) (7) being fixed a platform (38) with hole(s) providing passage for the wick(S).



(Compl. Specn. : 14 pages;

Drngs. : 6 sheets)

Ind. Cl. : 164 C

180867

Int. Cl.⁴ : C 02 F 4/46.

AN IMPROVED ELECTROLYSIS CELL FOR THE REMOVAL OF BIOCHEMICAL OXYGEN DEMAND/CHEMICAL OXYGEN DEMAND OF WASTE WATERS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA.

Inventors :

1. BALAKRISHNA DATTATRAYA DASARE.
2. MANILAL NARSINH PRAJAPATI.
3. PREMSINGH MANSINGH GAUR.

Application for Patent No. 370/Del/91 filed on 26-04-1991.

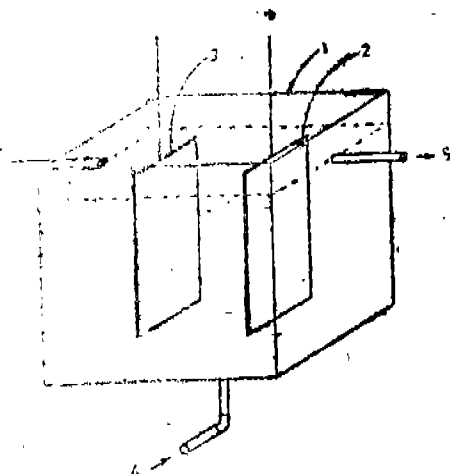
Complete left after provisional specification on 8-4-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

2 Claims

An improved electrolysis cell for the removal of Biochemical oxygen Demand/chemical oxygen Demand of waste waters, which comprises a tank having a plurality of vertical parallel grooves on its inner length side and corresponding grooves on the inner bottom side, a plurality of cathode plate being placed in the grooves to form chambers in the tank, a top cover having a plurality of slits corresponding to the grooves being placed over the cathode plates in such a manner that there remains a gap between the cathode tops and the bottom of the said cover, a plurality of anode plates being placed alternate to cathodes in the grooves between the cathode plates leaving a gap between the bottom of the tank and the bottom of the anode plates, plurality of inlets and outlets being provided vertically on the width sides

of the rectangular tank in opposite direction for flow of water, the anode and cathode plates being provided with electrical connections.



(Prov. Specn. 7 pages;

Drng. 1 sheet.)

(Compl. Specn. 16 pages;

Drng. 1 sheet)

Ind. Cl. : 50D, 98G

180868

Int. Cl. : F28F, 25/06

A COOLING DEVICE FOR COOLING THE RADIATOR OF A VEHICLE.

Applicant : GHANSHYAM SHANKAR TASGONKAR, AN INDIAN NATIONAL OF E-54, NIRMAL PURI, LAJPAT NAGAR-IV, NEW DELHI-110 024, INDIA.

Inventor : GHANSHYAM SHANKAR TASGONKAR.

Application for Patent No. 376/Del/91 filed on 26-04-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

3 Claims

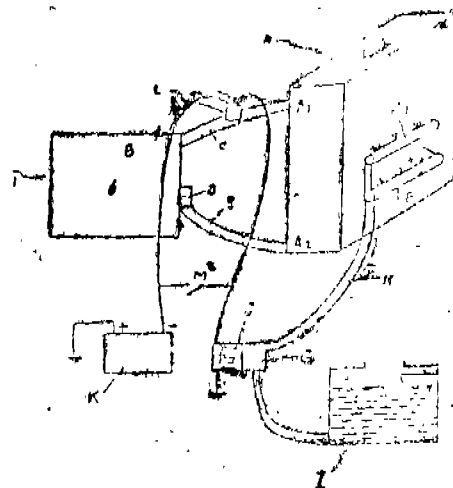
A cooling device for cooling the radiator of a vehicle comprising :

a radiator having an inlet at the upper end to be connected to the engine through a pipe and an outlet at the lower end for discharge of cooled water to the engine characterized in that;

a plurality of water spraying pipes being provided in the proximity of said radiator for spraying water on the outer surface thereof;

a water pump being provided for supplying water from a water tank into said spraying pipes;

a thermostat switch provided in the inlet water pipe being provided to allow said water pump in an operational mode when the radiator being heated and so as to spray the water onto the exterior surface of said radiator for cooling the circulating water within said radiator.



(Compl. Specn. 8 pages;

Drng. 1 sheet.)

Ind. Cl. : 452E

180869

Int. Cl. : C08L, 27/06.

A VINYL HALIDE COMPOSITION OF IMPROVED STABILITY AGAINST DEGRADATION BY HEAT.

Applicant : WITCO CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING ITS PRINCIPAL OFFICE IN NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

Inventors :

1. KOOKJIN BAE.

2. CURTIS R. MARTIN.

Application for Patent No. 411/Del/91 filed on 13-05-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

12 Claims

A vinyl halide against degradation by heat which comprises a polyvinyl chloride resin and optionally from 0.1 to 10 percent by weight of said polyvinyl chloride resin a conventional stabilizer of the kind such as herein described wherein said composition also comprises from 0.1 to 10 percent by weight of said polyvinyl chloride resin a further stabilizer consisting of sodium perchlorate and calcium silicate.

(Compl. Specn. 27 pages;

Drng. Nil sheet.)

Ind. Cl. : 9 D

180870

Int. Cl. : C 22 C 38/34.

A PROCESS FOR THE PREPARATION OF ATLEAST 90% AMORPHOUS Fe, B, Si ALLOY STRIP.

Applicant : ALLIED SIGNAL INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF COLUMBIA ROAD AND PARK AVENUE, MORRIS TOWNSHIP, MORRIS COUNTY, NEW JERSEY 07962, UNITED STATES OF AMERICA.

Inventors :

1. WARAGUR TAMACHANDAN VANKATA RAMANA NAND.

2. HOWARD HORST LIEBERMANN.

Application for Patent No. 432/Del/91 filed on 17-05-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972) Patent Office Branch, New Delhi-110 005

6 Claims

A process for the preparation of at least 90% amorphous iron, boron and silicon alloy strip and having a composition in the range of Fe 75.8 to 80.5 B 9.8 to 11.5 Si 8.5 to 10.4 in atomic percent said amorphous metal having a crystallization temperature structure straining, exciting power requirement core loss and saturation magnetisation value such as herein before dissolved said process comprising subjecting raw material having said composition to conventional melting alloying and casting operations.

(Compl. Specn. 27 pages;

Drngs. 9 sheets.)

Ind. Cl. : 53 C.

150871

Int. Cl. : B 62 M 9/06, 1/08.

A DRIVING OR PROPELLING MEANS FOR USE WITH THREE WHEELERS.

Applicant : SHANMUGASUNDARAM VENKATESAN, AN INDIAN NATIONAL OF S-4666, GREATER KAILASH, PART-I, NEW DELHI-110 048, INDIA.

Inventor : SHANMUGASUNDARAM VENKATESAN.

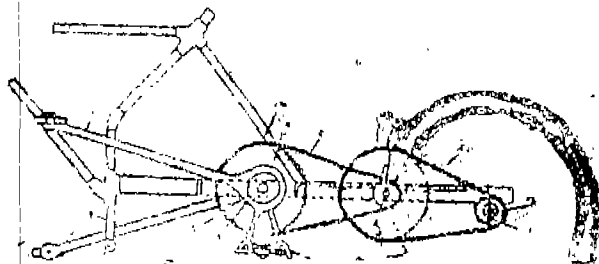
Application for Patent No. 462/Del/91 filed on 29-05-1991

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972) Patent Office Branch, New Delhi-110 005

2 Claims

A driving or propelling means for use with three wheelers comprising two free wheels having a ring with internal ratchet teeth mounted thereon and adapted to be rotated by a pair of driving levers secured therewith, said free wheels being mounted on an axle supported on the frame of the vehicle rotatably, a sprocket wheel mounted on said axle so as to rotate a conventional free wheel mounted on a second shaft, characterised in that said second shaft being supported rotatably on the main frame of the vehicle, a second sprocket wheel being mounted on said second shaft and adapted to be connected with a toothed wheel by means of a chain, said toothed wheel having a central cotter in being mounted on the axle of the rear wheels of the vehicle.

Reference : Reference to Indian Patent No. 706/Del/88.



(Compl. Specn. 8 pages;

Drng. 1 sheet)

Ind. Cl. : 134 B

130872

Int. Cl. : F16H-5/00.

A POWER TRANSMISSION DEVICE.

Applicant : HONDA GIKEN KOGYO KABUSHIKI KAISHA, A JAPANESE COMPANY, OF 1-1 MINAMIAO-YAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN.

Inventors :

YOSHINOBU KAWASHIMA,
KENJI TAMAKI,
SHOJI MOTODATE,
YOSHIHIRO NAKAZAWA,
MASAYUKI TORIYAMA,
NORIYUKI MAEDA,
YOSHIMI OSHANAI.

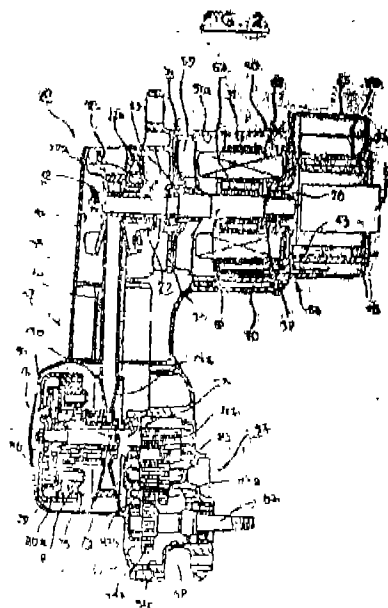
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims - 5)

A Power transmission device for an electric motor vehicle having an electric motor and driving wheel, comprising :

Primary clutch means for engaging the electric motor to the driving wheel to transmit a driving torque from the electric motor to the driving wheel when a rotational speed of the electric motor exceeds a predetermined primary rotational speed; and

secondary clutch means, operatively connected in parallel with said primary clutch means, for engaging the electric motor to the driving wheel to transmit a driving torque from the electric motor to the driving wheel when the rotational speed of the electric motor exceeds a predetermined secondary rotational speed, said predetermined secondary rotational speed being slower than said predetermined primary rotational speed.



(Compl. Specn. : 22 pages;

Drngs. : 12 sheets)

Ind. Cl. : 160 A

180873

Int. Cl. : B 62 C-1/04.

AN IMPROVED ANIMAL DRIVEN VEHICLE.

Applicant T. S. RAJAN, AN INDIAN NATIONAL OF D-45, AMAR COLONY, LAJPAT NAGAR, NEW DELHI-110021.

Inventor : T. S. RAJAN.

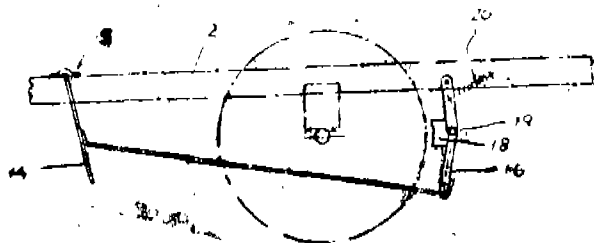
Application for Patent No. 470/Del/91 filed on 31-5-91.

Complete Left after provisional specification on 28-8-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims : 8)

An improved animal driven vehicle comprising a carriage with a central beam extending forwardly therefrom, said carriage supported at least on a pair of wheels characterised in that a half shaft provided for each of said wheels being secured rotatably to the axle beam of the carriage, each of said wheels secured to the respective shaft by suitable means such as flanges, brake means being provided to stop the vehicle.



(Provisional Specification 5 Pages Drawings Sheets - Nil)
(Complete Specification 8 Pages Drawing Sheet-2)

Ind. Cl. : 39(0)

180874

Int. Cl. : C01B 33/20.

"A METHOD FOR PREPARING ZEOLITE NU-85".

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors

JOHN LEONILLO CASCI,
MERVYN DAVID SHANNON,
IVAN JAMES SAMUEL LAKE.

Application for Patent No. 514/Del/91 filed on 13-6-91.

Convention Date : 9013859.5/UK/21-6-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch New Delhi-110 005.

Claims 7

A method for preparing zeolite NU-85, which comprises reacting in any conventional manner and at a temperature of not more than 190°C an aqueous mixture comprising a source of at least one oxide XO_2 of the kind described herein before at least one nitrogen-containing organic cation Q, where Q is a polymethylene alpha, omega-diammonium cation having the formula $(R_1 R_2 R_3) N (CH_2)_m N (R_4 R_5 R_6) 2+$ or a precursor thereof, wherein $R_1 R_2 R_3 R_4 R_5$ and R_6 are independently of one another C_1 to C_8 alkyl and m is 6 or 7, a source of at least one oxide $Y_2 O_3$ of the kind described herein before and optionally a source of monovalent cations L, Z of the kind such as herein before described.

the mixture having the molar composition

XO_2/Y_2O_3 in the range 20 to 40

$(R_1) OH/XO_2$ in the range 0.01 to 2

H_2O/XO_2 in the range 1 to 500

Q/XO_2 in the range 0.005 to 1

$L, X/XO_2$ in the range 0 to 5, X is silicon and/or germanium Y is one or more of aluminium, iron, gallium, boron, titanium, vanadium, zirconium, molybdenum, arsenic, antimony, chromium and manganese

where R is a cation of valency n which can include Q and/or M, here M is an alkali metal cation/or ammonium, and Z is an anion of valency p and L is an alkali metal and/or an ammonium ion, with the proviso that the temperature and XO_2/Y_2O_3 molar ratio are selected such that zeolite NU-85 is produced and continuing the reaction until crystallization has occurred to obtain a composition expressed on an anhydrous basis, in terms of mole ratios of oxide, by the formula :

$100 XO_2$: less than or equal to $10Y_2O_3$: less than or equal to $20 R_1O$ and having, in its as prepared from, lattice

images which when oriented to show the $O+/-0.2$ Angstrom fringes of zeolite EU-1 exhibit intergrown $12.5+/-0.2$ Angstrom fringes together with said $20+/-0.2$ Angstrom Fringes and/or a x-ray diffraction pattern including the lines shown in Table 1.

(Complete Specification 68 Pages Drawing 13 Sheets).

Ind. Cl. : 206 E

180875

Int. Cl. : G 01 R-13/40.

DISC RECORDING APPARATUS.

Applicant : SONY CORPORATION, OF 7-35, KITASHINA-GAWA 6-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventors :

YASUAKI MAEDA,
UNJI ARATAKI,
TADAO YOSHIDA.

Application for Patent No. 533/Del/91 filed on 18-6-91.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office Branch New Delhi-110005.

(Claims-6)

A disc recording apparatus for recording inputted data on tracks on a disc recording medium comprising :

memory means into which successively inputted data are sequentially written at a first transfer rate and from which the inputted data are read out at a second, higher transfer rate;

recording means for recording on the disc recording medium the data read from the memory means;

control means connected to said memory means for controlling the reading of the memory means so that data in a first amount are successively read from the memory means when the amount of the inputted data stored in the memory means exceeds the first amount, in order to always endure a write area for writing the data in the memory means, which the write area having a capacity higher than a predetermined second amount of the inputted data, said control means also being connected to the recording means to control the recording position on the disc recording medium so that the

first amount of the data which are sequentially read from the memory means are successively recorded on the recording tracks of the recording medium.

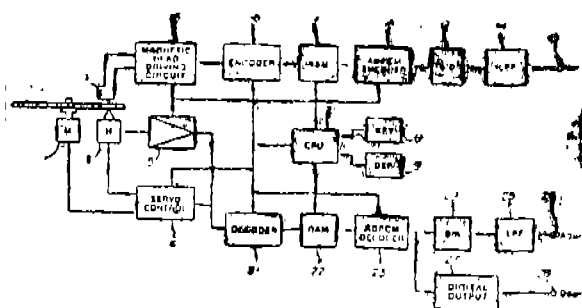


FIG. 1

web in the immediate vicinity of said visually discernible pattern, and a length extending continuously in a direction substantially perpendicular to said width, said substantially planar, non-microapertured horizontal portion of said web of width and length being located in a plane in which at least a portion of said microapertured surface aberrations in said web originate said width and said length together defining a contrasting pattern which has an embossed appearance and which is visually discernible to the normal naked eye when the perpendicular distance between the observer's eye and the plane of said web is 12 inches, the said web includes a liquid-imperious layer secured in juxtaposed relation adjacent the surface of said web which does not contain said microapertured surface aberrations to render said microapertured web substantially impervious to the passage of fluid.

(Complete Specification 24 Pages;

Drawing Sheets-5)

Ind. Cl. : 189

180876

Int. Cl.⁴ : A 61 F 13/16, 13/18; A 41 B 13/02

A MICROAPERTURED POLYMERIC WEB EXHIBITING A SOFT AND SILKY TACTILE IMPRESSION AS WELL AS A CONTRASTING VISUALLY DISCERNIBLE PATTERN HAVING AN EMBOSSED APPEARANCE ON AT LEAST ONE SURFACE THEREOF.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventors : WILLIAM HARRY GOODMAN, WILLIAM IRVIN MULLANE, BRUCE FRANKLIN PERRY, GARY GENE TROUT.

Application for Patent No. : 541/Del/91 filed on date 20-6-91.

Appropriate office, for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

A microapertured polymeric web exhibiting a soft and silky tactile impression as well as a contrasting visually discernible pattern having an embossed appearance on at least one surface thereof, said silky feeling surface of said web exhibiting a pattern of discrete volcano-like surface aberrations which are not individually discernable to the normal naked eye when the perpendicular distance between said web and the observer's eye is at least 12 inches, density of said surface aberrations being at least 3,600 per square inch, the center to center distance between adjacent surface aberrations not exceeding 25 mils, each of said surface aberrations having its amplitude oriented substantially perpendicular to the surface in which said surface aberrations originates and exhibiting a maximum cross-sectional dimension not exceeding 20 mils, as measured perpendicular to its amplitude, the end of each of said surface aberrations including at least one microaperture substantially coincidental with its point of maximum amplitude, said microaperture exhibiting a multiplicity of thin, irregularly shaped petals about its periphery, said microaperture further creating a discontinuity which reduces the resistance to compression and shear of each of said surface aberrations as well as the degree of contact with the observer's skin, whereby the overall tactile impression of that surface of said web containing the microapertured portions of said aberration is perceived as generally soft and silky, said contrasting visually discernible pattern having an embossed appearance comprising a substantially planar, non-microapertured horizontally oriented portion of said web having a width equal to at least 1-1/2 times the normal center to center distance between adjacent surface aberrations, as measured in the microapertured portions of said

Fig. 3A

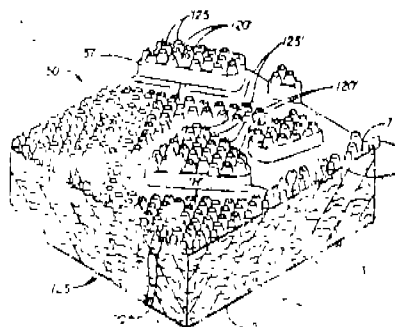
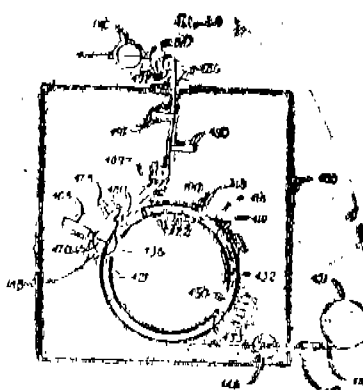
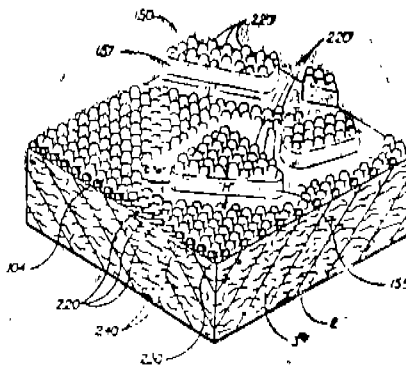
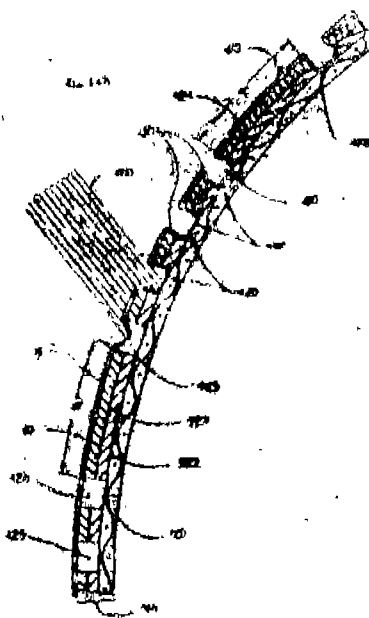


Fig. 3B





(Complete Specification : 32 Pages; Drawings : 14 Sheets)

Ind. Cl. : 127 1

180877

Int. Cl. : A 61 G 5/02.

A HAND LEVER OPERATED WHEEL CHAIR.

Applicant : ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA, A GOVERNMENT OF INDIA, OF G. T. ROAD, KANPUR-208018, UTTAR PRADESH.

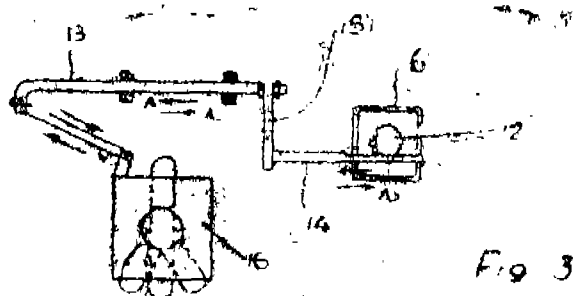
Inventor : COL. SANTOSH CHANDRA.

Application for Patent No. : 547/Del/91 filed on date 26-6-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

(Claims 4)

A hand lever operated wheel chair comprising a chassis supported on a pair of drive wheels and a front steering wheel, a seat and a back rest being mounted on said frame characterised in that the drive means for imparting a drive to the drive wheels has a drive lever pivotally secured to said chassis of the chair on either sides thereof for each of said drive wheels, the lower end of said drive levers being connected to the respective crank shaft through a connecting rod, said crank shaft being connected to the axle of said drive/rear wheel for driving the wheel upon to and fro-actuation of said drive lever, steering means being provided for guiding the movement of the wheel chair.



(Complete Specification : 10 pages; Drawing Sheets : 2)

Ind. Cl. : 28 1

180878

Int. Cl. : F 24 J 2/00.

"A SOLAR WATER HEATER".

Applicant : VIRENDRA JAIN, CH 11-390, VIKAS PURI NEW DELHI-110 018, INDIA, AN INDIAN NATIONAL.

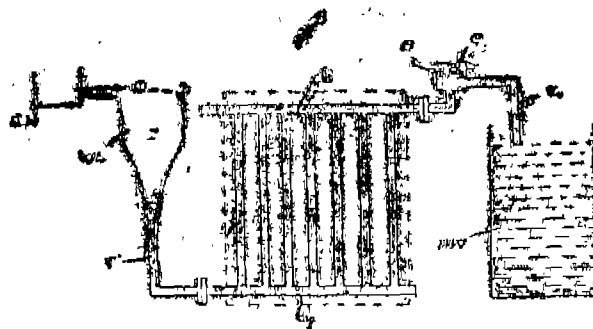
Inventor : VIRENDRA JAIN.

Application for Patent No. : 559/Del/91 filed on date 25-06-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

(Claims 3)

The solar water heater comprising a solar collector, (S) the inlet heater (I) of said solar collector/heating unit connected to cold water tank, (CW) characterised in that a water leveler (WL) being provided between said water tank (CW) and inlet header (I) to supply cold water to the solar collector (S) when the water level in said water leveler (WL) being decreased, the outlet header (O) of said solar collector/heating unit (S) being connected to a body (C) having a plurality of holes provided at the top end thereby, the outlet of said body (C) being connected to a hot water tank (HW) for the supply of hot water therein.



(Complete Specification : 8 pages; Drawing Sheet : 1)

Ind. Cl. : 14C

180879

Int. Cl. : H02J 7/00.

"AN APPARATUS FOR CHARGING A RECHARGEABLE BATTERY".

Applicant : CHARTEC LABORATORIES A/S, A COMPANY ORGANISED UNDER THE LAWS OF DENMARK, WHOSE PRINCIPAL OFFICE IS AT VENDERSGADE 10, ST. TH. 1363 COPENHAGEN K. DENMARK.

Inventors : (1) EBBE JUUL-HANSEN
(2) JOHN REIPUR.

Application for Patent No. : 563/Del/91 filed on date 26-6-91.

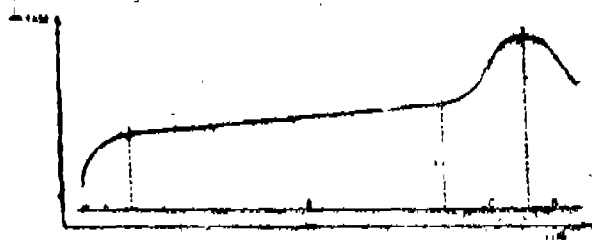
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

(Claims 9)

An apparatus for charging a rechargeable battery by comparing characteristic parameters with reference values at successive measurement points of time during charging, said apparatus comprising :

- an electrical source of energy;
- a control unit;
- an analog/digital converter electrically connected to the control unit;

- a measurement device electrically connected to the analog/digital converter for measuring one or more characteristic parameters for the charging process and supplying the measurement results to the control unit via the analog/digital converter.
- the control unit being electrically connected to the energy source for calculating other characteristic parameters and controlling the energy source, and provided with means for determining a remaining charging time and thereby a possible stop point of time for the charging process in response to said comparison at any or some of the said measurement points of time, and for terminating the charging in response to the stop points of time.
- a storage circuit for storing measurement values, calculated values and reference values.



(Complete Specification : 22 pages; Drawing : 4 Sheets)

Ind. Cl. : 40B

180880

Int. Cl. : B01J 23/10.

"AN IMPROVED $\text{La}_2\text{O}_3\text{-MgO}$ CATALYST FOR OXIDATIVE CONVERSION OF METHANE TO HIGHER HYDROCARBONS".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001; INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : (1) VASANT RAMCHANDRA CHOUHARY.

(2) VILAS HARI RANE,

(3) SOPAN TUKARAM CHAUDHARI.

Application for Patent No. : 568/Del/91 filed on date 27-6-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110 005.

(Claims 8)

A process for the preparation of an improved $\text{La}_2\text{O}_3\text{-MgO}$ catalyst useful for oxidative conversion of methane to higher hydrocarbons in presence of free oxygen, which comprises (i) mixing thoroughly powdered magnesium acetate which are catalyst precursors with La/Mg in the mole ratio of 0.001-10.0 with or without water, the $\text{H}_2\text{O/magnesium acetate}$ weight ratio being in the range of 0.0-2.0, (ii) heating the mixture to dryness at a temperature of about 80-250°C (iii) powdering and calcining the dried mixture at a temperature of about 500-1200°C in presence of air or inert gas (like N_2 , He , or Ar , etc.) or their mixture or under vacuum for about 1-00 H and (iv) making by known methods such as herein described the catalyst pellets, extrudes or granules of required size.

(Complete Specification : 24 pages; Drawing : Nil Sheet)

3-517 GI/97

Cl. : 32 D

180881

Int. Cl. : C 09 B 67/50.

"A PROCESS FOR THE PREPARATION OF A COPPER PHTHALOCYANINE PIGMENT OF THE α -PHASE".

Applicant : HOECHST AKTIENGESellschaft, OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) ERWIN DIETZ,

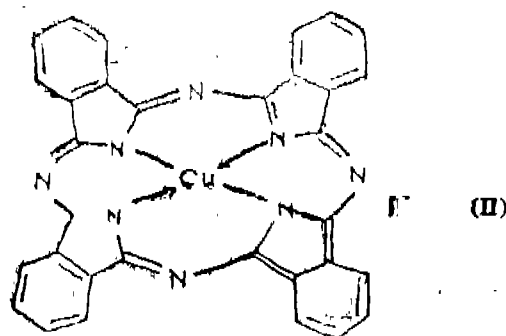
(2) MANFRED URBAN.

Application No. : 297/Cal/1993 filed on 31st May, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Calcutta.

13 Claims

A process for the preparation of a copper phthalocyanine pigment of the α -phase



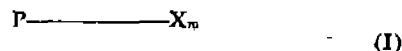
or a pigment preparation based on a copper phthalocyanine pigment of the α -phase, which comprises

(a) first wet milling a copper phthalocyanine pigment, which is predominantly present in the β -phase in an aqueous medium in a stirred ball mill which is operated at a power density of more than 2.5 kW per liter of milling space and a peripheral speed of the stirrer of more than 12 m/s with exposure to a grinding medium having a diameter of less than 1 mm under phase-converting conditions, then

(b) optionally adding an inert organic solvent to the substance obtained (a), and subjecting the substance obtained in (a) —

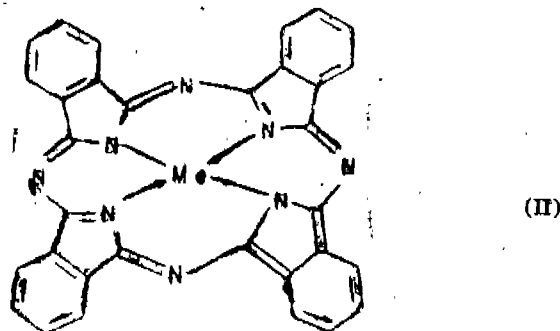
to a finishing treatment as herein described at elevated temperature of 50 to 200°C, and

(c) then isolating the resulting pigment or pigment preparation whereby there is optionally added one or more times, before, during or after one or more of the individual steps (a), (b) and (c), at least one pigment dispersing agent of the formula (I),



in which

P is an m-valent radical based on the formula (II)



in which

m is from 1 to 6,

Me is two hydrogen atoms or a divalent metal atom, preferably a copper, iron, zinc, nickel, cobalt or tin atom, in particular a copper atom, and

X is a group of the formula (IIIa)

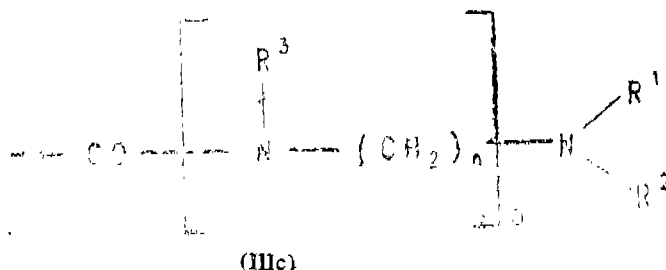


or a group of the formula (IIIb)

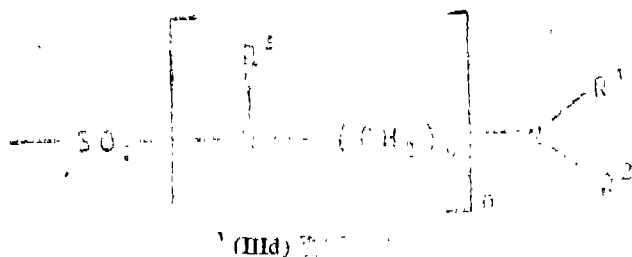


in which M is a hydrogen atom or an equivalent of an alkali metal ion, alkaline earth metal ion or ammonium ion or in which

X is a group of the formula (IIIc)



or a group of the formula (IIId)



in which R^1 and R^2 are identical or different and are a hydrogen atom, a $\text{C}_1\text{--C}_{20}$ -alkyl, $\text{C}_2\text{--C}_{20}$ -alkenyl group or a $\text{C}_6\text{--C}_7$ -cycloalkyl group, preferably a hydrogen atom, a methyl or ethyl group or in which R^1 and R^2 together with the adjacent nitrogen atom form an aliphatic or aromatic, five- to seven-membered heterocyclic system having in each case 1 to 3 identical or different heteroatoms belonging to the ring from the series comprising nitrogen, oxygen or sulfur, preferably imidazole piperidine, piperazine, pyrrolidine, morpholine, imidazoline and hexamethyleneimine

R^3 is a hydrogen atom or a $\text{C}_1\text{--C}_6$ -alkyl group, preferably

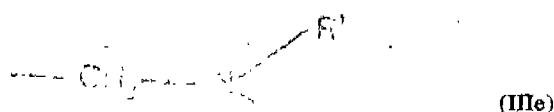
a hydrogen atom or a methyl group

n is from 1 to 6, preferably 2 or 3,

o is 0 or 1, preferably 1, and

m is from 1 to 4, or in which

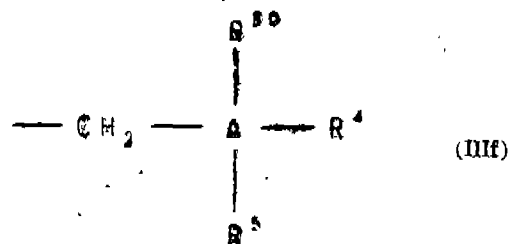
X is an aminomethylene group of the formula (IIIe)



in which R^4 and R^5 have the abovementioned meaning and

m is from 1 to 6, or in which

X is a group of the formula (IIIf)



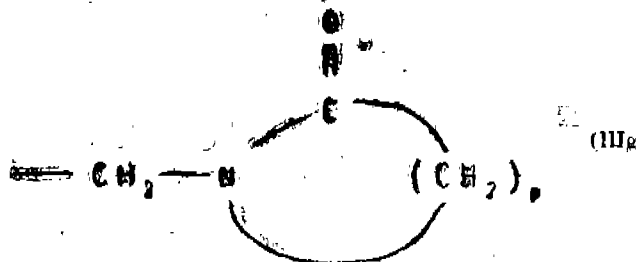
in which A is a five- or six-membered aromatic ring or a fused aromatic heterocycle containing 1 to 3 identical or different heteroatoms from the series comprising nitrogen, oxygen or sulfur, preferably imidazole, triazole or pyrazole and the heterocycle is bound to the methylene group via a carbon atom, R^6 and R^4 are a hydrogen atom, a $\text{C}_1\text{--C}_6$ -alkyl, $\text{C}_1\text{--C}_6$ -hydroxyalkyl or a $\text{C}_2\text{--C}_6$ -alkenyl group, preferably a hydrogen atom, methyl, ethyl or $\text{C}_6\text{H}_5\text{OH}$ or an aryl group, aryl being phenyl which is unsubstituted or substituted by 1 to 4 radicals from the group comprising $\text{C}_1\text{--C}_6$ -alkyl, halogen, preferably F, Cl or Br, $\text{C}_1\text{--C}_6$ -alkoxy, cyano, CONH_2 and COOR^7 , R^7 being hydrogen or $\text{C}_1\text{--C}_6$ -alkyl,

R^6 and R^4 together can also form an aliphatic or aromatic ring, preferably a phenyl ring,

R^5 is a hydrogen atom, a $\text{C}_1\text{--C}_6$ -alkyl, a $\text{C}_1\text{--C}_6$ -hydroxyalkyl or a $\text{C}_2\text{--C}_6$ -alkenyl group and

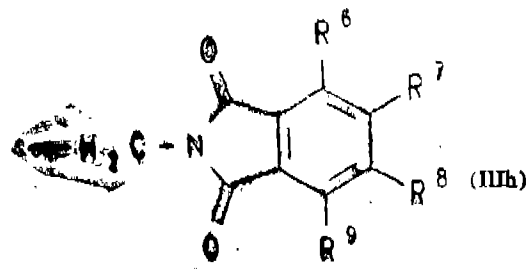
m is from 1 to 4, or in which

X is a group of the formula (IIIg)



p being from 3 to 6, preferably 3 to 5, and m being from 1 to 4, or in which

X is a phthalimidomethylene group of the formula (IIIh)



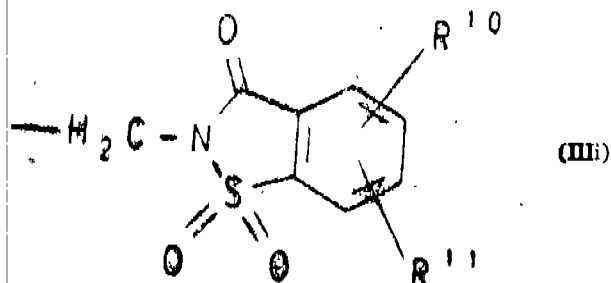
in which R^6 , R^7 and R^9 are identical or different and are a hydrogen, fluorine, chlorine or bromine atom, preferably a hydrogen atom,

R^8 is a hydrogen, fluorine, chlorine or bromine atom or a nitro, $\text{C}_1\text{--C}_6$ -alkyl, $\text{C}_1\text{--C}_6$ -alkoxy or benzoylamino group, preferably a hydrogen atom,

and

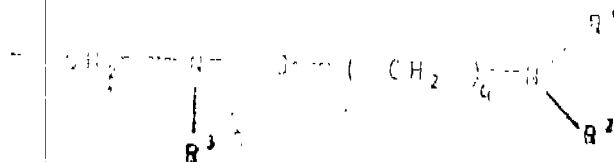
m is from 1 to 4, or in which

X is an o-sulforbenzimidomethylene group of the formula (IIIi)



in which R¹⁰ and R¹¹ are identical or different and are a hydrogen, chlorine or bromide atom or a C₁-C₄-alkyl, C₁-C₄-alkoxy or a nitro group, preferably a hydrogen atom and m is from 1 to 4, or in which

X is a group of the formula (IIIk)



in which B is a carbonyl or sulfonyl group, preferably a carbonyl group, and R¹, R² and R³ have the abovementioned meaning.

q is 1 to 2, preferably 1, and

m is from 1 to 4,

or there is optionally added at least one pigment dispersing agent of the formula (I) containing variants of the abovementioned radical X in one molecule.

(Compl. Specn. : 40 Pages; Drgns. : 2 Sheets)

Ind. Cl. : 97 A 180882

Int. Cl.⁴ : H 05 B 07/00.

"DIRECT CURRENT ARC FURNACE".

Applicant : DEUTSCHE VOEST-ALPINE INDUSTRIE-ANLAGENBAU GMBH, OF NEUSSER STRASSE 111, 40219 DUSSELDORF, GERMANY.

Inventor : EDGAR NIX.

Application No. 723/Cal/1993 filed on 24th November, 1993.

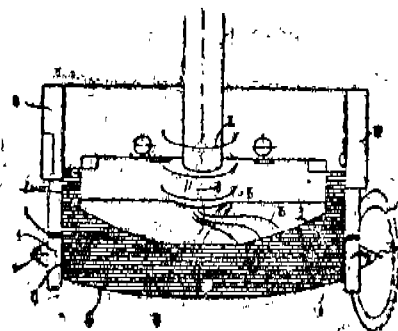
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

8 Claims

Direct current arc furnace comprising a melt vessel arrangement (5, 18) with refractory lining (*) receiving the melting vessel arrangement (5, 18) a vertically displaceable, cathodic electrode (1) held in the centre of the melting vessel cover and having horizontally guided electrode support arm (9) and an anodic bottom electrode arrangement (4, 20, 21, 10) in the vicinity of an electrically conductive lower vessel (5) from the vessel wall to the melt (3), the power supply and removal taking place on one side via lines (6, 9) to a rectifier power supply (11) set up in spaced manner alongside the furnace, characterized by the following features :

(a) the lower vessel (5) is connected in several quadrants (I to IV) with leads (6),

- (b) in the vicinity of each quadrant a connecting plate (4) for the leads (6) is provided on the furnace wall (21) of the lower vessel (5),
- (c) the leads (6), just below the arc (8), pass in a horizontal plane up to the furnace wall,
- (d) the current return takes place via the horizontal electrode support arm (9),
- (e) the current intensity for the quadrants (I, IV) of the lower vessel adjacent to the rectifier power supplies (11) is made lower than those of the power supplies to the remaining quadrants (II, III).



Compl. Specn : 11 pages

Drgns : 3 sheets.

Ind. Cl. : 63 C

180883

Int. Cl. : 8 01 R 39/18.

A BRUSH ASSEMBLY FOR AN ELECTRIC MOTOR HAVING A COMMUTATOR.

Applicant : JOHNSON ELECTRIC S.A., OF 125 RUE DE PROGRES, CH-2300 LA CHAUX-DE-FONDS, SWITZERLAND.

Inventor : GEORG STROBL.

Application No. 808/Cal/1993 filed on 21st December, 1993.

(Convention No. 9226648.5 on 22-12-92 in Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

12 Claims

A brush assembly (10) for an electric motor having a commutator, the assembly comprising :

a brush (20);

a brush terminal (30);

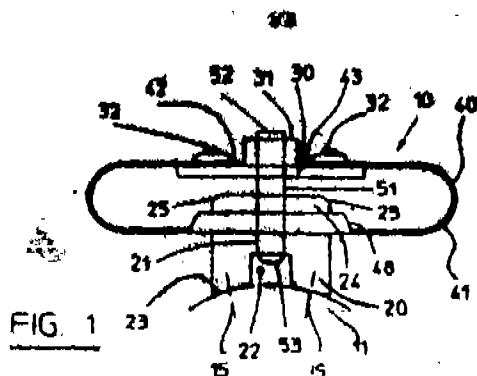
a leaf spring (40) formed from a strip of resilient, electrically conductive material, urging the brush into contact with the commutator (11), the spring having two ends (42, 43) and the brush being attached to the spring at a portion (44) intermediate the ends; and

a guide pin (51) co-operative with a guide hole (21) for guiding the brush towards the commutator, characterised in that

said guide hole (21) is formed in the brush (20) and passes through said brush; and

said guide pin (51) is slidably fitted within said guide hole, and rigidly attached to said brush terminal at a first

end (52), said guide pin being extendable towards the commutator with a free end (53) located adjacent the surface of the commutator.



Compl. Specn. 15 pages;

Drgns. : 3 sheets

Ind. Cl. : 190 B

180884

Int. Cl. : F 01 K 7/16.

F 02 C 6/00.

AN IMPROVED INTEGRATED STEAM AND COMBUSTION TURBINE POWER PLANT.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors :

MICHAEL SCOT BRIESCH,
MICHAEL ANGELO COSTANZO.

Application No. 827/Cal/1993 filed on 31st December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

10 Claims

An improved integrated and combustion turbine power plant consisting of a steam turbine unit, a boiler unit (18) for supplying steam to said steam turbine unit, a combustion turbine unit with an exhaust gas duct structure (17) for supplying the combustion turbine exhaust gases to said boiler unit (18) and an exhaust gas stack for discharging the exhaust gases into the atmosphere, wherein said duct structure comprises at least a first heat recovery steam generator disposed in the flow of exhaust gas stack (19) said heat recovery steam generator (25, 26) being connected to said steam turbine unit for supplying any steam generated in said heat recovery steam generator to said steam turbine unit.

Compl. Spenc. : 10 pages;

Drgns. : 1 sheet.

Ind. Cl. : 32 F₂₆

280885

Int. Cl. : C 07 B 41/08

C 07 C 51/265
63/26.

PROCESS AND APPARATUS FOR PRODUCING TEREPHTHALIC ACID.

Applicant : MITSUI PETROCHEMICAL INDUSTRIES LTD., OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors :

1. RYOICHI YAMAMOTO,
2. FUJIMASA NAKAO,
3. ETSUROU OKAMOTO,
4. YASUHIKO YAGI.

Application No. 126/Cal/1994 filed on 3rd March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

6 Claims

A process for producing terephthalic acid by oxidizing paraxylene in a liquid phase with molecular oxygen in an oxidizing reactor in the presence of a catalyst by supplying paraxylene and a molecular oxygen-containing gas to the oxidizing reactor containing a liquid reaction medium based on acetic acid with a content of the catalyst, characterized in that :

the oxidation exhaust gas such as herein described from the oxidizing reactor is introduced into a distillation column having at the lower part thereof a packed bed such as herein described,

finely dispersed solid matters contained in the oxidation exhaust gas is collected by means of the solid matter collecting tray, and

distillation of substances contained in the oxidation exhaust gas is effected through the packed bed, while heat and water is removed out of the distillation column and the separated paraxylene and acetic acid is recirculated to the oxidizing reactor.

FIG. 1

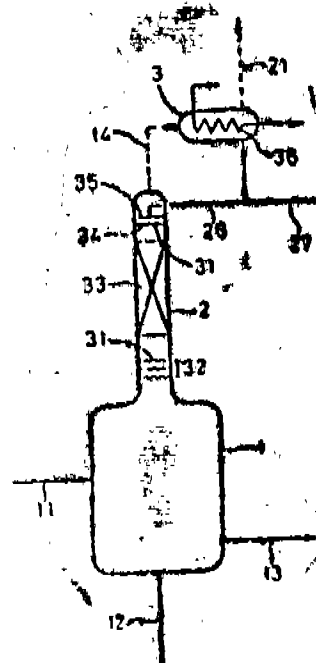
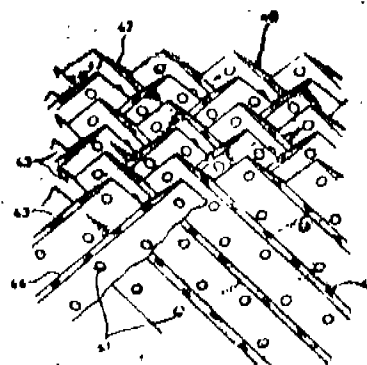
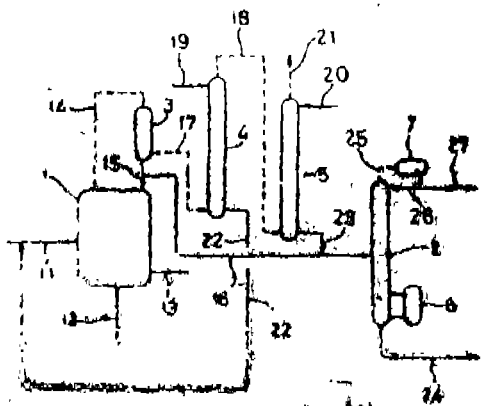


FIG 2





Compl. Specn. : 25 pages;

Drgns. : 3 Sheets

Ind. Cl. : 95 C

180886

Int. Cl. : B 25 B 5/00.

AN APPARATUS FOR CLAMPING A WORKPIECE ON A WORK STATION OF A MACHINE TOOL.

Applicant : EROWA AG, OF WINKELSTRASSE 8, CH-5734 REINACH SWITZERLAND.

Inventors :

1. BASIL OBRIST,
2. FERDINAND TROXLER.

Application No. 127/Cal/1994 filed on 3rd March, 1994.

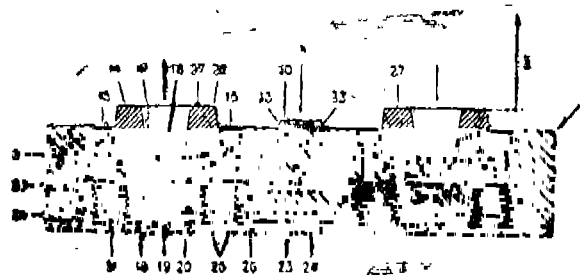
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Calcutta.

10 Claims

An apparatus for clamping a workpiece on a work station of a machine tool comprising a support (1) to be fixed in the working area of the machine tool and a workpiece carrier (2) adapted to be positioned on and clamped to the support (1), said support (1) and said workpiece carrier (2) each comprising alignment members (5, 10) cooperating in pairs in order to align the position of the workpiece carrier (2) with respect to the support (1) along three coordinate axes (X, Y, Z), running perpendicularly to each other as well as with respect to angular position, and a chucking device (4, 11) for fixing the workpiece carrier (2) to the support (1) in position, wherein pairs of co-operating stop surfaces (27, 28) are provided on the carrier (2) and on the support (1) for locating the carrier (2) in the Z-axis, said alignment members comprise two pairs of linear alignment members for locating the carrier (2) along the two other coordinates axis (X, Y), each pair of said linear alignment members comprising a wedge-shaped centering ruler (30) and a profiled plate (40) having a matching slot (43),

said chuck device comprises a plurality of clamping members (4, 11), each said clamping member comprising a clamping journal (11) located on the workpiece carrier (2) and a chuck (4) located on the support,

characterised in that on the side (9) facing the support (1) in the clamped state, the carrier (2) is provided with a continuous flat surface, on which flat surface said stop surface (27, 28) are provided on said side (9) facing the support (1); and said linear alignment members (10) on said side (9) facing the support and said clamping journals (11) are attached to said continuous flat surface.



(Compl. Specn. : 28 Pages;

Drgns. : 4 Sheets.)

Ind. Cl. : 172 B

180887

Int. Cl. : D 01 F 1/10.

A PROCESS FOR PREPARING A TEXTILE FIBER.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventors :

1. MICHAEL WILLIAM BOWEN,
2. HAMID MOAYED GHORASHI,
3. HUNG HAN YANG.

Application No. 185/Cal/1994 filed on 21st March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Calcutta.

2 Claims

A process for preparing a textile fiber that a dyeable to deep shades comprising in mixing poly (p-phenylene terephthalamide with sulphuric acid characterized in that poly (p-phenylene terephthalamide (PPD-T) has an inherent viscosity greater than 5 and present in an amount of 5 to 15% by wt with sulphuric acid of concentration between 100.2% and 102% and at a temperature of from 95 to 120°C until the polymer is degraded to an inherent viscosity of from 1.5 to 4, spinning the solution in to an aqueous coagulation bath to form filaments, withdrawing the filaments from the bath and neutralizing the filaments.

(Compl. Specn. : 12 pages;

Drgns. : Nil)

Ind. Cl. : 69 P

180888

Int. Cl. : H 02 B 1/02.

METAL-CLAD SWITCHPANEL HAVING A DOOR LOCK WHICH TAKES ACCOUNT OF LOCKING CONDITIONS.

Applicant : SIEMENS AKTIENGESellschaft, OF WITTELSBACHERPLATZ 2, 80333 MUENCHEN, GERMANY.

Inventor : ROLF MUELLER.

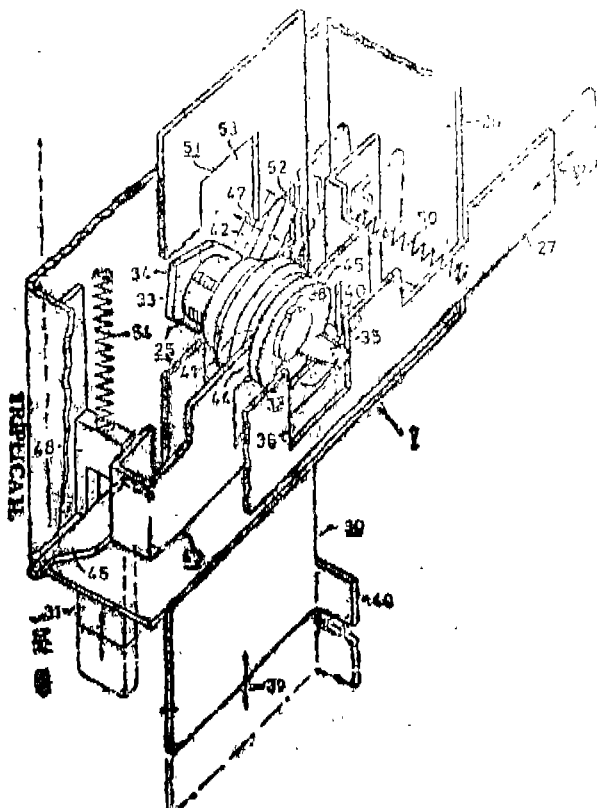
Application No. : 254/Cal/1994 filed on 11th April, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Calcutta.

6 Claims

Metal-clad switchpanel (1) having a door lock which takes account of locking conditions comprises a switch compartment (10) and a switching device (12) arranged movably therein by means of a propulsion drive (23) and a door arrangement (3), which closes the switch compartment (10) and in whose door leaf (5) there is arranged a door lock (7), which takes account of locking conditions and has a door

means (9, 9') to fasten the urine drainer at the waist of a person.



Drugs, : 2 sheets.)

180889

Fig. 1

Drgns. : 2 Sheets)

180890

Int. Cl. : B 65 D 85/16,
B 65 H 75/34,
B 66 D 1/00, 1/36.

"WINDING CARTRIDGE FOR RECEIVING OVER-LENGTHS OF CABLES, IN PARTICULAR GLASS FIBRE CABLES".

Applicant : KRONF AKTIENGESELLSCHAFT, OF
BEESKOWDAMM 3-11, D-14160 BERLIN ZEHLENDORF,
GERMANY.

a reservoir (1) for collection and simultaneously drainout of the urine having an inlet opening (6) and an outlet opening (7), said inlet opening being of larger cross-section as compared to said outlet opening:

a tubular penis insertion means (2) connected to said reservoir inlet opening;

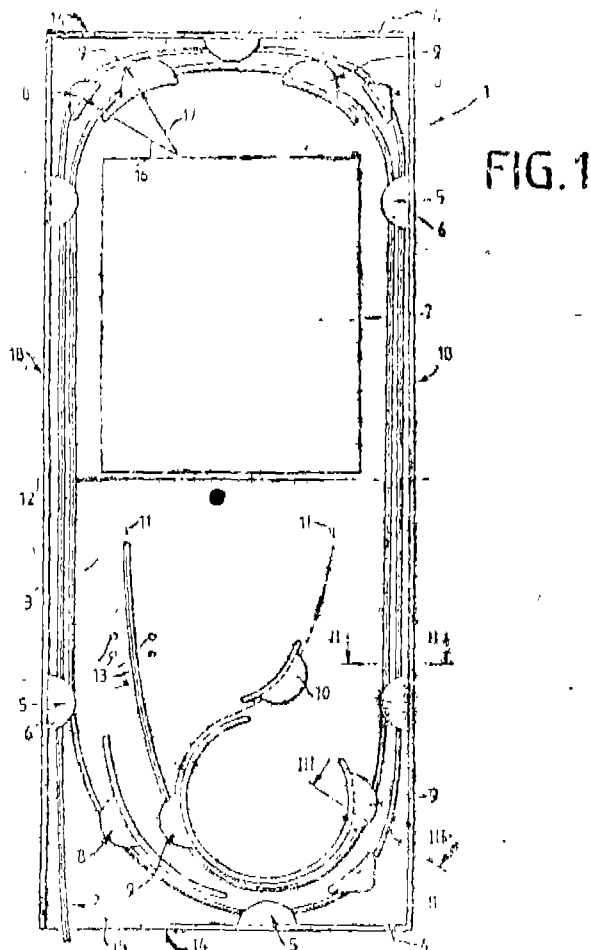
Inventor : PETER STACHULLA.

Application No. : 468/Cal/1994 filed on 20th June, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A winding cartridge for receiving overlengths of cables, in particular glass-fibre cables, comprising a support plate (3) with guide elements (8, 9, 10) and a splice cartridge (7), the cable (2) being guided around the splice cartridge, characterized in that the guide elements (8, 9, 10) being disposed in the space between support plate (3) and the enclosing border (4) in front of the splice cartridge entry (11) which guarantee the reception of at least one and a half time the cable length guided around the splice cartridge (7).



(Compl. Specn. : 6 pages;

Drgns. : 1 Sheet)

Ind. Cl. : 138 B

180891

Int. Cl.⁴ : F 16B, 45/00.

"METHOD FOR MANUFACTURING A MECHANICAL FASTENER".

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, U.S.A.

Inventors : (1) DENNIS ALBERT THOMAS,

(2) DAVID JOSEPH KENNETH GOULATT.

Application for Patent No. 583/Del/91 filed on 2-7-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

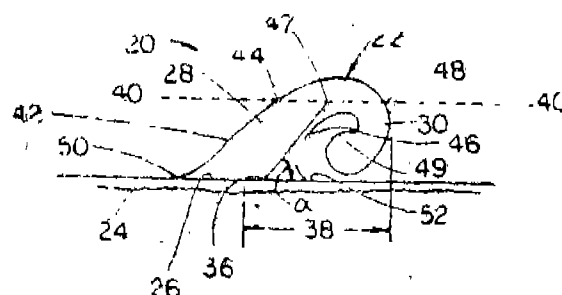
A method for manufacturing a mechanical fastener for an engaging element in a mechanical fastening system having a number of free formed prongs, each of which comprises a shank joined to a substrate at its base, said shank being at an angle to the substrate and having at its outer end an engagement portion projecting laterally beyond the periphery of the shank, said process comprising the steps of :

providing a thermally sensitive material ;

heating said thermally sensitive material to its melting point ;

providing a substrate and transporting said substrate by transporting means at a desired velocity ;

and depositing discrete amounts of molten thermally sensitive material from a dispenser on to said transported substrate while it is moving wherein the velocity of the substrate is greater than the velocity of the dispenser in the direction of motion of the substrate so that said deposit is effected so as to maintain a positive velocity differential between said transported substrate and said material being deposited and so form said prong.



(Comp. Specn. : 49 pages

Drawing : 3 Sheets)

Ind. Cl. : 40 F, I

180892

Int. Cl.⁴ : B 01 J 19/00.

"DEVICE FOR INTRODUCING A CATALYTICALLY ACTIVE POWDER INTO A REACTOR FOR GAS PHASE ALPHA-OLEFIN POLYMERIZATION".

Applicant : B.P. CHEMICALS LIMITED, A BRITISH COMPANY, OF BELGRAVE HOUSE, 76 BUCKINGHAM PALACE ROAD, LONDON SW1W 0SU, ENGLAND.

Inventors : (1) JEAN ALAIN MAUREL,
(2) CHARLES RAUFAST.

Application for Patent No. 585/Del/91 filed on 2-7-91.

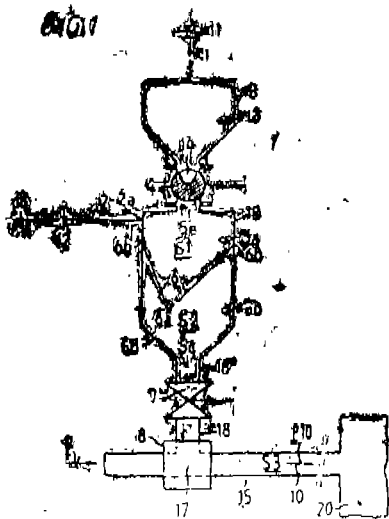
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

10 Claims

Device for introducing a catalytically active powder (13) into a reactor (20) for gas phase alpha-olefin polymerization characterised in that it comprises :

a storage container (3) containing said powder (13), a metering valve (4) located between said storage container (3), an intermediate chamber (5) located below and connected to said metering valve (4), said intermediate chamber (5) having an upper part 5(a) and lower part 5(b), an entry

orifice located in upper part (5a) of said intermediate chamber (5) for receiving metered quantities of said powder (13) delivered by said metering valve (4), an auxiliary gas delivery tube (2) connected to the upper part (5a) of said intermediate chamber (5), an exit orifice (5a) at the end of said lower part (5b) of said intermediate chamber (5), at least one first obstacle (6) comprising at least one restricted passage orifice (6a) located in said intermediate chamber (5), said restricted passage orifice (6a) separating said upper part (5a) of said intermediate chamber (5) from said lower part (5b), a connecting pipework (18), optionally provided with an isolation valve (7), connecting said exit orifice (5c) to a mixing device (8) located in a conveying pipework carrying a carrier gas and communicating with said reactor (20).



(Comp. Specn. : 40 pages;

Drawing : 4 Sheets)

Ind. Cl. : 156 ADE XLV 11 (3).

180893

Int. Cl. : F 04 1/00, 9/00.

GEROTOR PUMPS.

Applicant : CONCENTRIC PUMPS LIMITED, A BRITISH COMPANY, OF UNIT 10, GRAVELLY INDUSTRIAL PARK, ERDINGTON, BIRMINGHAM B 24 8HW, ENGLAND.

Inventors :

STEVE HODGE,

RICHARD ROBERT FREEMAN.

Application for Patent No. 596/Del/91 filed on 4-7-91.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office Branch New Delhi-110005.

4 Claims

A gerotor pump comprising a located and meshed male lobed (10) rotor with n lobes and a female lobed (12) rotor with $n+1$ lobes both said male (10) and female (12) rotors located in a cylindrical (26, 22, 24) in the pump body (20), wherein said female (12) rotor being in the form of a cup shaped annulus (12) and said male (10) rotor being wholly located in said cup shaped annulus (12) to reduce leakage paths.

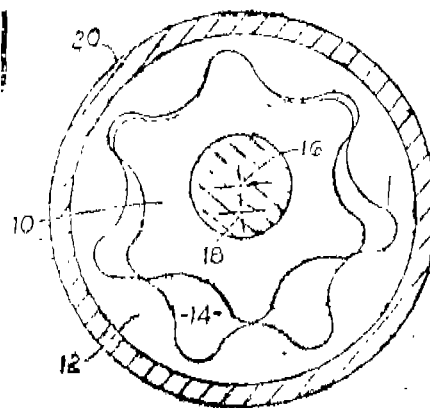


Fig. 3

(Com. Specn. 6 Pages;

Drawing : 2 Sheets)

Ind. Cl. : 143D, 127C.

180894

Int. Cl. : B 65 G 15/00.

AN EXTENDED NIP PRESS BELT FOR THE PRESS-SECTION OF A PAPERMAKING MACHINE.

Applicant : SCAPA GROUP PLC., A BRITISH COMPANY, 52 PRESTON NEW ROAD, BLACKBURN, LANCASHIRE BB2 6 AH, ENGLAND.

Inventors :

JOHN FEFFERY,

LESLIE YAROSLAW KANIUKA,

IAN CHRISTISON SAYERS.

Application for Patent No. 615/Del/91 filed on 9-7-91.

Convention Date 28-7-90.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office Branch New Delhi-110005.

11 Claims

An extended nip press belt for the press-section of a paper-making machine, the belt comprising an apertured membrane having reinforcing yarns in the running direction of the belt, characterized in that the belt comprises an impermeable coating layer & at least one face of the membrane, the material of the coating layer of layers engaging the apertures in the said membrane and, in the case of a belt having a coating layer at one face only of the membrane, extending at least to the plane of the face of the membrane opposite the said at least one face.

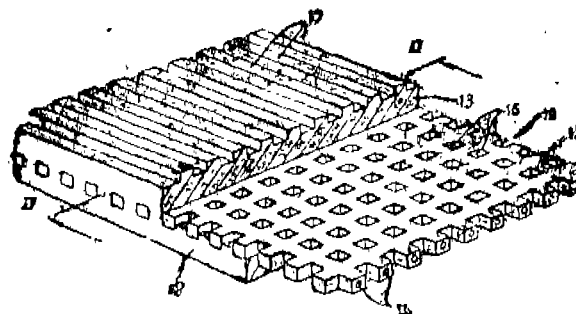


Fig. 1

(Comp. Specn. 11 Pages;

Drawings : 3 Sheets)

Ind. Cl. : 205 H 180895

Int. Cl. : B 29D-30/06.

PNEUMATIC TYRE.

Applicant : THE GOODYEAR TIRE & RUBBER COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 1114 EAST MARKET STREET, AKRON, OHIO 44316-0001, UNITED STATES OF AMERICA.

Inventor : STANLEY NAVAUX, BE.

Application for Patent No. 628/Del/91 filed on 15-7-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A pneumatic (1) tire comprising at least one carcass ply folded at least in part axially around a pair of axially spaced apart bead cores, each carcass (16, 17) ply comprising a plurality of parallel reinforcing elements which are oriented at 75° to 90° with respect to an equatorial plane (EP) of the tire (1) and a crown (5) reinforcement with one belt ply folded around at least two unfolded (208, 209) plies and a shoulder reinforcing (11) structure comprising at least :

a first (212) layer adjacent to the radially outermost carcass (16, 17) ply being reinforced by cords forming with an axial plane intersecting them, an angle ranging between -20° to -50° ;

a second (213) layer adjacent to said first (212) layer reinforced by cords forming with an axial plane intersecting them, an angle ranging between 20° and 50° , and

a third (214) layer adjacent to said second (213) layer reinforced by cords forming with an axial plane intersecting them, an angle ranging between 45° and 75° .

the (212, 213, 214) layers extending each laterally under the folded (207) belt ply and into the sidewall of the tire.

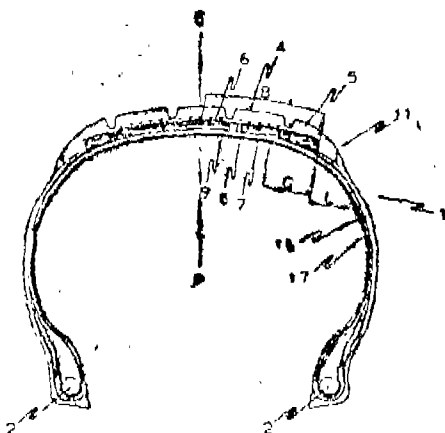


FIG 1

(Complete Specification 13 Pages; Drawing 3 Sheets).

Ind. Cl. : 6A2 180896

Int. Cl. : F-16M-3/00.

ECCENTRIC MOUNT FOR A ROLLING PISTON COMPRESSOR.

Applicant : INGERSOLL-RAND COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, UNITED STATES OF AMERICA, OF 200 CHESTNUT RIDGE ROAD, WOODCLIFF LAKE, NEW JERSEY, UNITED STATES OF AMERICA.

4-517 G1/97

Inventor : NEVILLE D. KAPADIA.

Application for Patent No. 812/Del/91 filed on 3-9-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

16 Claims

An eccentric mount apparatus for a rolling piston compressor comprising :

a casing having an inner radius;

a rotary shaft mounted within the casing;

a first eccentric having a first greatest eccentric distance, being rotationally fixed relative to the rotary shaft;

a second eccentric having a second greatest eccentric distance;

a rolling piston having a bore formed therein, with the second eccentric rotationally encased within the bore;

the second eccentric is formed with an inner radial aperture and a plurality of rolling elements disposed between said bore and the second eccentric.

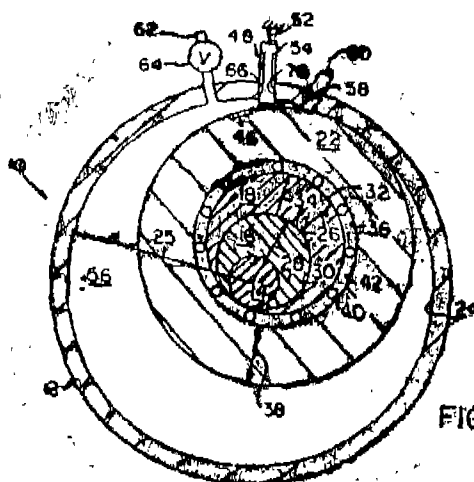


FIG 2

(Complete Specification 19 Pages; Drawing 3 Sheets).

Ind. Cl. : 147 J

180897

Int. Cl. : H 03 B 5/00 & 7/00.

AMPLIFIER CIRCUIT PROVIDING REDUCED OFF-CHANNEL FREQUENCY SPLATTER.

Applicant : MOTOROLA, INC., A CORPORATION OF THE STATE OF DELAWARE, USA, OF 1303 EAST ALGONQUIN ROAD, SCHAUMBURG, ILLINOIS, 60196, USA.

Inventor : PAUL HOWE GAILUS.

Application for Patent No. 842/Del/91 filed on 10-09-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

An amplifier circuit providing reduced off-channel frequency splatter caused by clip detection test sequences comprised of : an amplifier (34), having an input and an output, providing output signals at the output that are versions of signals at the input;

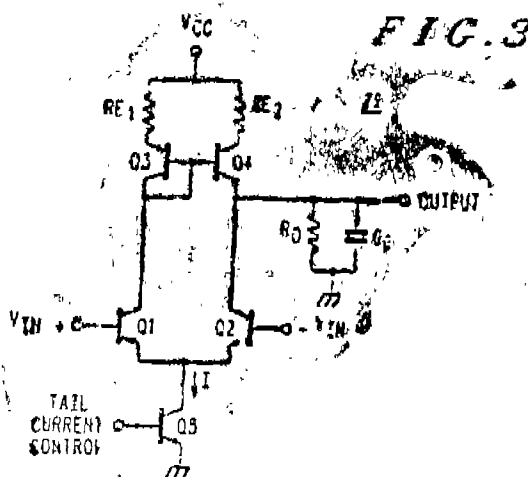
sampling means (36), having an input and an output, the input coupled to the output of the amplifier (34), for providing a feedback signal that is a fractional portion of the output signals of the amplifier (34);

summing means (24), having at least first and second inputs (24A and 24B), and an output for providing a signal at the output that is substantially an algebraic summation of signals at the first and second inputs (24A and 24B), said first input of the summing means (24B) being coupled to the output of the sampling means (36), said second input (24A) being coupled to a signals source (20) to be amplified by the amplifier (34);

inverter means, having an input and an output, for providing signals at the output that are inverted versions of signals at the input, said inverter means being operationally coupled between the output of the sampling means at the first input of the summing means;

adjustable slow rate amplified means (26) having an input and an output, for providing at least first and second amplifier slew rates during predetermined intervals in response to a slow rate control signal, said input coupled to the output of the summing means (24), said output coupled to the input of the amplifier; and

slow rate control means (28), coupled to the adjustable slow rate amplifier means for providing a control signal to the adjustable slow rate amplifier means (26).



(Compl. Specn. 18 pages;

Drng. 2 sheets.)

Ind. Cl. : 36A; XLIV(1)

180898

Int. Cl. : F04B 1/00, 39/00.

POSSESSION OF AN INVENTOR FOR AN IMPELLER.

Applicant : INGERSOLL-DRESSER PUMP COMPANY, U.S.A.

Inventors : PAUL COOPER & LEE J. BULSON.

Application for Patent No. 864/Del/91 filed on 17-09-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

An impeller for use as a rotor for a brushless DC motor in a centrifugal fluid pump, the impeller comprising :

A hub section;

at least one disk shaped shroud containing permanent magnets;

a plurality of pumping channels defined by a plurality of impeller blades projecting outwardly from the hub section and fixed to a face of the shroud; and

fluid supply means for supplying fluid to the pumping channels, said means comprising :

at least one opening between the hub section and the shroud; and

at least one inducer in said opening, said inducers comprising pumping members which are separate from the impeller blades.

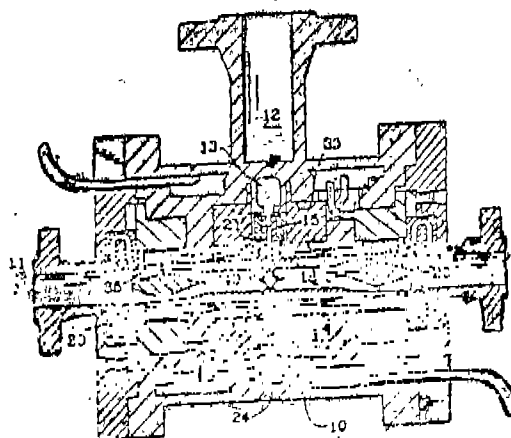


FIG. 2

(Compl. Specn. 11 pages;

Drng. 3 sheets.)

Ind. Cl. : 113B

180899

Int. Cl. : F23Q 2/50

CIGARETTE LIGHTER.

Applicant : THAI MERRY COMPANY, LIMITED, 96 MOO 11 PETCHAKASEM ROAD, OMNOI KRATUMBAN, SAMUTSAKORN 74110, THAILAND.

Inventor : SHOZO FUNITA.

Application for Patent No. 970/Del/91 filed on 7-10-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A cigarette lighter comprising :

an operating member and means for pivotably mounting said operating member to perform a lighting operation :

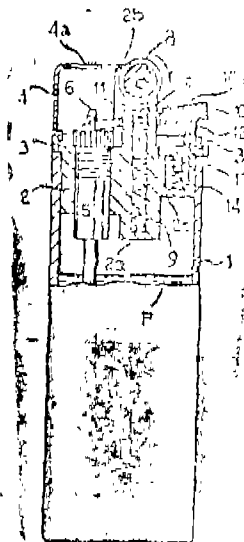
characterized in that :

a lock member including movement regulating means wherein it can be moved to a position to inhibit movement of said operating member and to a position to allow movement thereof :

means forming a lock portion for locking said lock member to a position to allow movement of said operating member; and

pressure applying means including a spring for applying on upward pressure onto said lock member to move said lock member toward said lock portion, and means including said spring for applying a rotary biasing force to said lock member and for disengaging said lock member from said lock

portion upon movement of said operating member in a direction of said lighting operation, to move said lock member to a position to inhibit movement of said operating member.



Ind. Cl. : 128G.

180901

Int. Cl.⁴ : A 61 J15/00.

A TUBE INTRODUCER FOR INTRODUCING A DRAINAGE TUBE INTO THE BODY OF A PATIENT.

Applicant : SAROJ CHOORAMANI GOPAL, AN INDIAN NATIONAL OF B-5/F-2 MEERA COLONY, BANARAS HINDU UNIVERSITY, VARANASI-221005, UTTAR PRADESH.

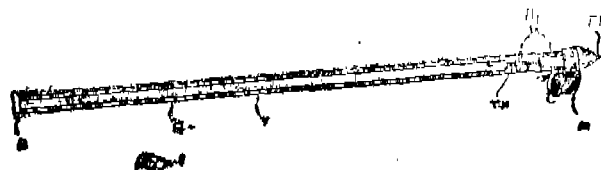
Inventor : SAROJ CHOORAMANI GOPAL.

Application for Patent No. 103/Del/91 filed on 07-02-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A tube introducer for introducing a drainage tube in the patients, body comprising a metallic introducer rod (R) provided with a pointed trocher (TR) at one end and a handle (H) at the other end thereof, threads (TH) being provided above said trocher (TR) for securing tube connector (M) provided for holding the curved end of a flexible PVC tube, (T) to be disposed into said tube (T) such that the pointed trocher (TR) remains out of said tube connector (M) for guiding movement of said introducer together with said tube (T) in the body of a patient.



(Compl. Specn. 8 pages;

Drng. 1 sheet.)

Ind. Cl. : 195 A

180902

Int. Cl.⁴ : F 23 L, 13/00

A BALL VALVE OF THE TRUNNION TYPE.

Applicant : INGOLF KLYDE, A NORWEGIAN CITIZEN OF REGEVEIEN 42, N-4040 HAFRSFIJORD, NORWAY.

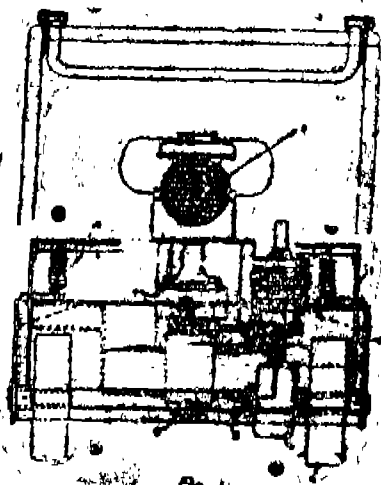
Inventor : INGOLF KLYDE.

Application for Patent No. 222/Del/91 filed on 20-3-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A ball valve of the trunnion type, comprising a valve housing having oppositely directed inlet and outlet (4, 5) each of which (4, 5) being provided with an internal seat (12, 12') and a reversible ball-shaped valve body (2) formed with a through-going passage in the form of a central bore (3) adapted to be brought substantially into alignment with said inlet and outlet (4, 5) in the open position of the valve and wherein the valve ball (2) is adapted to close the passage through the valve housing (1) in the closed position of the valve, establishing a sealing effect at the seats (12, 12') of the valve housing (1) the sealing surfaces (17, 17') of said seats following an eccentric course in relation to the geometric centre (5) of the valve ball (2), characterized that said valve ball (2) is provided with two diametrically opposite separate replaceable seals (15, 15') each adapted to cooperate with the adjacent seat (12, 12') of the valve housing (1) the sealing surface (16, 16') of each said seal (15, 15') of said valve ball (2) following the same eccentric course as the adjacent seats sealing



(Complete Specification 9 Pages;

Drawing 3 Sheets)

(Complete Specification 11 Pages;

Drawing 3 Sheets)

Ind. Cl. : 5D.

180900

Int. Cl.⁴ : A01D 34/00

A LAWN MOWER.

Applicant : HENRI DEVAUD, A SWISS NATIONAL OF C-10 SECTOR-14, ROHINI, NEW DELHI.

Inventor : HENRI DEVAUD.

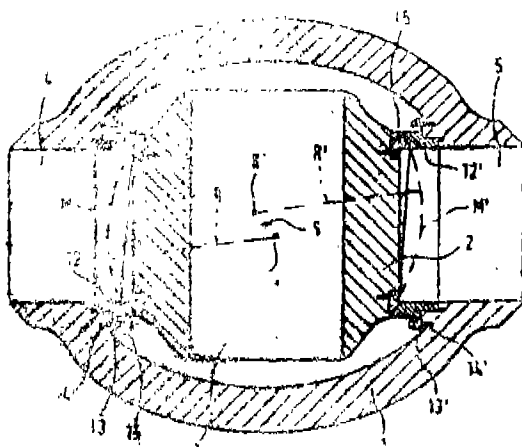
Application for Patent No. 1019/Del/91 filed on 24-10-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A lawn mower comprising a steel frame (1) for mounting a drum (3) having a disc (5) provided with a pair of knives (6) secured therewith to cut the grass, an engine (2) being mounted on said frame (1) so as to rotate a vertical shaft of an automatic centrifugal clutch, (4) a worm reduction gear box (7) provided on the front shaft (8) of the wheels (9) so as to give motion to the lawn mower, levers (16) having inclined slots (17) therein being provided with the front and rear wheels (9) so as to adjust the height of the cutting knives (6) from the ground to cut the grass at a desired height, a grass collector (23) being provided at the back side of said lawn mower for collecting the grass, a driving handle (19) secured to the back side of said steel frame (1) so as to give required direction to the lawn mower.

surface (17, 17') with regard to the rotational point of said seals (15, 15') corresponding to the geometric centre (5) of the valve ball (2) and that said inlet and outlet (4, 5) is exactly coaxially aligned.



(Compl. Specn. 14 pages;

Drgs. 3 sheets.)

Ind. Cl. : 119 B

180903

Int. Cl. : B 65 H 54/00

A METHOD OF MANUFACTURING A ROTARY TRAVERSE ROLL.

Applicant : SAURABH NATVERLAL KINARIWALA,
AN INDIAN NATIONAL OF S-466, GREATER KAILASH
PART-I, NEW DELHI-110048.

SAURABH NATVERLAL KINARIWALA.

Application for Patent No. 231/Del/91 filed on 21-03-1991.

* Complete left after provisional specification on 23-06-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

An improved method of manufacturing a rotary traverse roll comprising in providing a traverse roll having grooves thereon for guiding the yarn movement, securing metallic/plastic sleeve onto said roll, providing yarn reversal guide inserts with said traverse roll at the yarn reversal points located adjacent to the ends of the traverse roll, characterised in that said sleeve being secured onto said roll by means of welding, said yarn guide inserts being secured with said traverse roll during the process of moulding of said traverse roll.

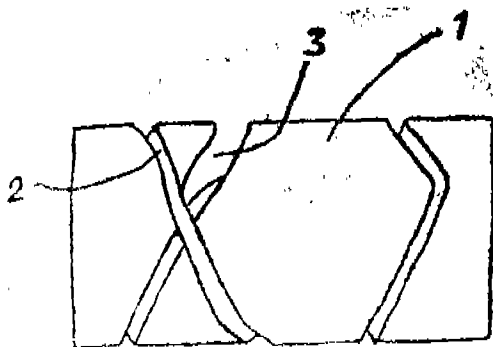


Fig. 1

(Provisional Specification 5 Pages;
(Complete Specification 8 Pages;

Drgs. 1 sheet.)
Drawing 1 Sheet)

Ind. Cl. : 136C.

180904

Int. Cl. : B30B 11/22.

AN EXTRUSION HEAD EXCHANGING APPARATUS FOR A CONTINUOUSLY OPERATING EXTRUSION LINE.

Applicant : NOKIA-MAILLEFER HOLDING SA., OF
ROUTE DU BOIS, 1024 ECUBLENS, SWITZERLAND.

Inventors :

GILBERT MAGNOLLAY,
REMY SEIGNEUR,
JECQUES BUDRY,
JEAN-CLAUDE CLEMENT,
MICHEL JACCOTTET,
PIERRE-YVES JAGGI,
HANS JAUN,
PHILIP DE DOER.

Application for Patent No. 274/Del/91 filed on 03-04-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

An extrusion head exchanging apparatus for a continuously operating extrusion line, comprising :

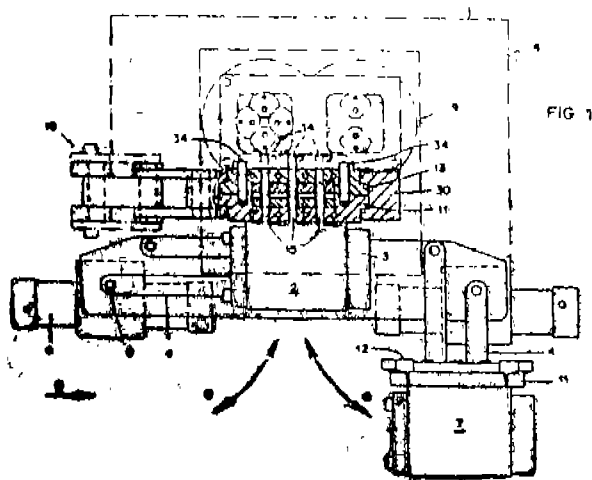
- * a plurality of extrusion (27) heads, each of said extrusion (2) (7) heads having a moveable connection (11) part;
- * at least one moveable (4) assembly for moving an extrusion (2) (7) head from a preparation position into a working position;
- * a feeding unit having a fixed connection (9) unit with a fixed connection (13) part; and
- * a mechanized locking (10) clamp for fixedly clamping the moveable connection (11) part of any one of the extrusion (2) (7) heads to the fixed connection (13) part when said one extrusion (2) (7) head is moved into the working position,

characterised in said fixed connection part and said moveable connection (11) parts each being provided with :

- * clamping (12) (17) surfaces for cooperating with the locking (10) clamp;
- * a plane contact surface; and
- * a recess (18) in the plane contact (12) surface and at least one duct (19) ending within the recess, each duct (19) being lined with an elastically deformable tubular (14) (15) member, said tubular (14) member being held in said duct (19) and protruding into said recess,

wherein said plane (12) surfaces, said tubular (14) (15) members and said clamping (12) (17) surfaces of said fixed and moveable connection (11) (13) parts are adjusted relative to one another upon mechanized action of said locking (10) clamp for simultaneously providing mutual contact between the plane (12) (17) surfaces of said fixed connection (13) part and the moveable connection (11) part of the extrusion (2) head in the working position, and fluid-tight connection between each one of said tubular (14) (15) members of

said fixed connection part and a corresponding one of said tubular (14) (15) members in the moveable connection (11) part of the extrusion (2) head in working position.



(Complete Specification 14 Pages; Drawing Sheets 2)

Ind. Cl. : 136C.

180905

Ind. Cl. : B 22D 11/00.

AN AUTOMATED EXTRUSION LINE.

Applicant : NOKIA-MAILLEFER HILDING SA, OF ROUTE DU BOIS, 1024 ECUBLENS, SWITZERLAND.

Inventor(s) :

GILBERT MANOLLAY,
REMY SEIGNEUR,
JACQUES BUDRY,
JEAN-CLAUDE CLEMENT,
MICHEL JACCOTTER,
PIERRE-YVES JAGGI,
HANS JAUN,
PHILIP DE DOER.

Application for Patent No. 275/Del/91 Filed on Dated 03-04-91.

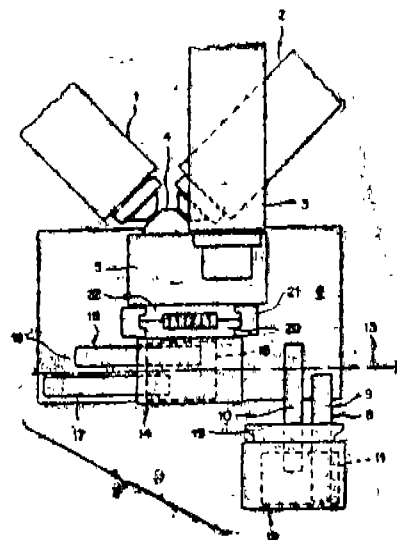
Appropriate Office for Opposition Proceeding (Rule 4, Patent Rules, 1972), Patent Officer Branch, New Delhi-110 005.

11 Claims

An automated extrusion line for continuously producing an elongated metal element provided with a sheath of material, the extrusion line comprising :

- * at least one extruder;
- * a connection unit connected to the at least one extruder and having an outlet orifice;
- * a plurality of extruder heads, each extruder head having an inlet orifice for connection to the outlet orifice of the connection unit;
- * a locking apparatus for connecting one of the plurality of extruder heads to the connection unit; and
- * an automatic exchanging apparatus for supporting first and second extrusion heads of the plurality of extrusion heads on a common base, the automatic exchanging apparatus provided with means for independently pivoting each of the first and second extrusion heads in first and second predetermined arcs respectively, between a working position in which the inlet orifice of one of the first and second extrusion heads is fluid tightly connectable to the outlet orifice of the connection unit and a

preparatory position in which the inlet orifice of one of the first and second extrusion heads is spaced from the outlet orifice, the means for independently pivoting the first and second extrusion heads moving one of the first and second extrusion heads along its predetermined arc to automatically align the inlet orifice of the one extrusion head with the outlet orifice of the extrusion head with the outlet orifice and retracting the other of the first and second extrusion heads to its preparatory position.



(Complete Specification 16 Pages;

Drawing Sheets 4)

Ind. Cl. : 51C

180906

Int. Cl. : B26 B21/54.

SAFETY RAZORS AND BLADE UNITS THEREFOR.

Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : KEVIN JAMES WAIN.

Application for Patent No. 239/Del/91 Filed on Dated 22-3-91.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

10 Claims

A safety razor head comprising a frame (1) and at least one blade unit, each said blade unit (5) comprising a blade with a sharpened cutting edge (7A) and a blade support comprising a platform to which the blade is attached with said cutting edge projecting forwardly of the platform, (9) characterized in that said blade support further includes an integral guard portion spaced forwardly of the blade edge, and by a mounting means for mounting said blade unit to said frame in a manner to enable said blade (7) and integral guard portion to rotate about an axis parallel with and close to the blade

edge to enable translating movement of said blade and integral guard portion relative to the frame, under forces encountered during shaving.

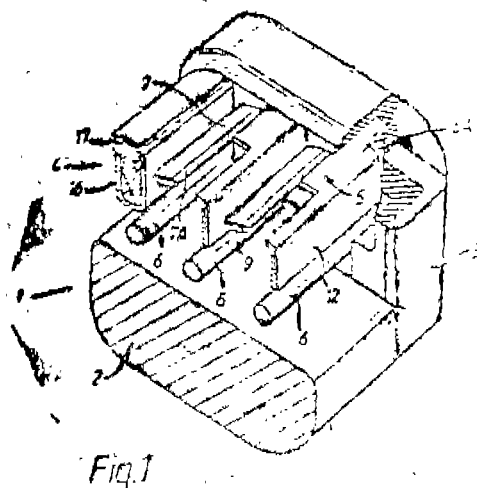


Fig. 1

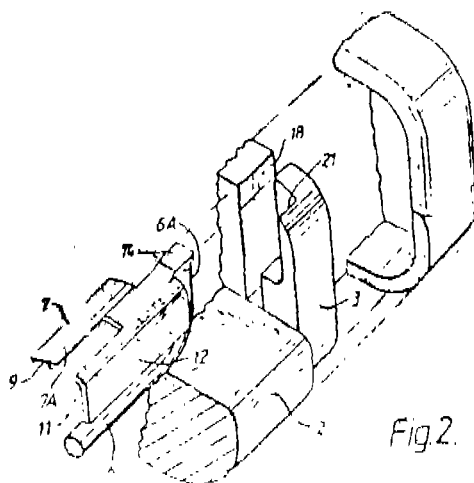


Fig. 2

(Complete Specification 8 Pages;

Drawing 5 Sheets).

Ind. Cl. : B01J 19/00

180907

Int. Cl. : 85J

REACTOR CHAMBER DOOR FOR LARGE-CAPACITY COKING REACTOR WITH A DOUBLE SEALING SYSTEM.

Applicant & Inventor : BERGWERKSVERBAND GMBH., A GERMAN COMPANY, OF FRANZFISCHER-WEG 61, 4300 ESSEN 13, GERMANY.

Application for Patent No. 240/Del/91 filed on date 22-3-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A reactor-chamber door for a large-capacity coking reactor with a double sealing system, the reactor-chamber door comprising an outer and an inner door with are detachably connected characterized in that said outer and inner doors each comprise their own continuous doorsealing system (8, 9, 10, 11) being pressable resiliently against a chamber frame (24, 25), said sealing systems (8, 9, 10, 1, 31) of both said inner and outer doors being adjustable, together or separately, and

inner door has a hot diaphragm (17) covering the entire door opening and resiliently pressable on the periphery against said chamber frame (25) and said outer door-sealing system (8, 9, 11) comprises a hot diaphragm (8) covering the entire door opening and having a continuous seal, preferably a soil seal (9) constructed in the form of a solid profile or in the form of a tube, resiliently pressable against the chamber frame (24).

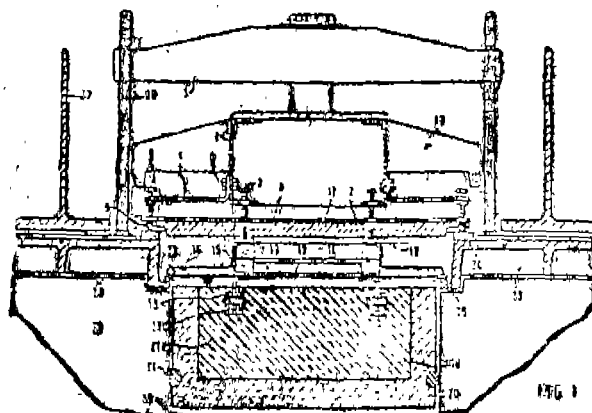


FIG. 1

(Complete Specification 12 Pages;

Drawings 1 Sheet)

Ind. Cl. : 123 I (4)

180908

Int. Cl. : C05G 1/00

A PROCESS FOR PREPARATION OF PHOSPHOROUS POTASH FERTILISER (PK) COMPOSITION IN SOLUTION FORM FROM GLAUCONITIC SANDSTONE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventors :

- (1) RAKESH KUMAR,
- (2) SUDHIR SITARAM AMRITPHALE.

Application for Patent No. 244/Del/91 filed on date 22-3-91.

Complete left after Provisional Specification on 18-11-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for preparation of phosphorous potash fertiliser (PK) composition in solution form from glauconitic sandstone which comprises crushing and grinding the glauconitic sandstone to obtain a powder of -52 mesh BSS size, treating it under reflux condition with an acid selected from hydrochloric-sulfuric or nitric acid having concentration in the range of 3 to 9 M, for a period ranging from 2 to 6 hours, filtering to separate the residue from the leach liquor containing potassium salt, blending the residue with natural rock phosphate powder of -52 mesh BSS size in a ratio in the range of 1 : 0.5 to 1 : 4, treating the blend under reflux condition with an acid selected from sulfuric, hydrochloric or nitric acids having concentration in the range of 1 to 10 M, for a period of 1 to 8 hours, filtering the reaction mixture to obtain the said fertilizer composition in solution form.

(Provisional Specification 12 Pages;

Drawing Sheet Nil)

(Complete Specification 17 Pages;

Drawing Sheet Nil)

Ind. Cl. : 123 I (4)

180909

Int. Cl. : C05 G 1/00

A PROCESS FOR THE PREPARATION OF A PHOSPHOROUS POTASSIUM FERTILIZER COMPOSITION IN SOLUTION FORM USEFUL IN AGRICULTURE FROM GLAUCONITIC SANDSTONE AND ROCK PHOSPHATE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

Inventors :

(1) RAKESH KUMAR,

(2) SUDHIR SITARAM AMRITPHALE.

Application for Patent No. 245/Del/91 filed on date 22-3-91.

Complete left after Provisional Specification on 18-11-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the preparation of a phosphorous potassium fertilizer composition in solution form useful in agriculture from glauconitic sandstone and rock phosphate which comprises crushing and grinding of the glauconitic sandstone and rock phosphate to obtain powders of both the samples of -52 mesh BSS size, mixing glauconitic sandstone and rock phosphate powders intimately in a ratio in the range of 1 : 1 to 1 : 3, heat treating the mixture at a temperature in the range of 700 to 850°C for a period in the range of 20 to 60 minutes, treating the resultant product under reflux condition with a mineral acid selected from hydrochloric, nitric and sulfuric acid having concentration in the range of 1 to 6 M for a period ranging from 1 to 6 hours, filtering the reaction mixture to obtain the phosphorous potassium fertilizer composition in solution form.

(Provisional Specification 8 Pages: Drawing Sheet Nil)

(Complete Specification 15 Pages: Drawing Sheet Nil)

Ind. Cl. : 69 A; G, 9

180910

Int. Cl. : H01H 110/00

INVENTION FOR "A MEDIUM TENSION CIRCUIT BREAKER."

Applicant : GEC ALSTHOM S.A., A FRENCH COMPANY, OF 38, AVENUE KLEBER, 75116 PARIS, FRANCE.

Inventors :

(1) DENIS DUFOURNET,

(2) MECHEL PERRET.

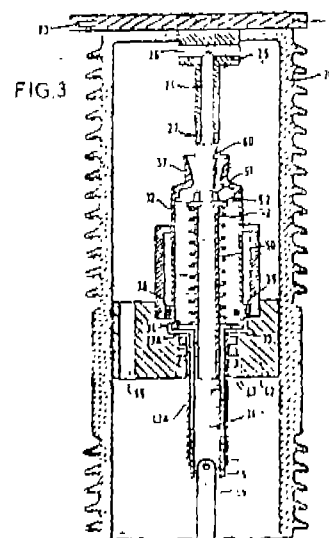
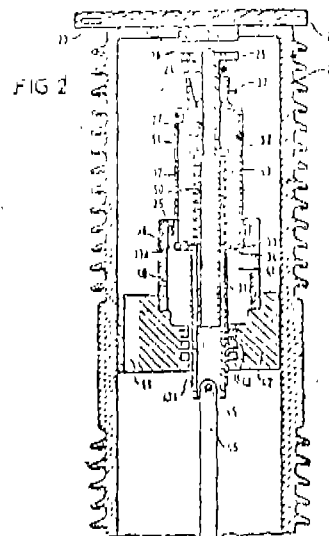
Application for Patent No. 252/Del/91 dt. 25-3-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A medium tension circuit breaker having end-to-end arcing contacts, the circuit breaker comprising, inside an insulating case (20) filled with a gas having good dielectric properties : a first arcing contact (8, 24, 25) which is fixed and connected to a first circuit breaker terminal (23); and moving equipment (2, 3, 4, 9 etc.) comprising (fig. 1) a first tube (9) suitable for being displaced by a drive rod (1, 46), said first tube (2) being connected by sliding contacts (7a) to a second circuit breaker terminal (7), said first tube (2) co-operating with a fixed second tube to define a blast volume and being extended by a blast nozzle (4), said circuit breaker

further having a second arcing contact, and being characterized in that the first tube (31, 32) comprises a small diameter first portion (31) co-operating with said second tube (40) to constitute said blast volume (41), and a larger diameter second portion (32) carrying said blast nozzle, said two portions (31, 32) being interconnected by a substantially annular portion (33) of said first tube (31, 32) being provided with through holes (34) and a shoulder (33A) and constituting a blast piston, said second contact (51, 52) being constituted by a third tube (50) sliding inside said first portion (31) of said first tube, (31, 32) said third tube (50) having a flange (52) having a first end of the spring (53) bearing there against with the second end of the spring (53) bearing against said shoulder, (33A) said spring (53) being compressed when the circuit breaker is in the engaged position.



(Complete Specification 6 Pages:

Drawing 3 Sheets)

Ind. Cl. : 62 D

180911

Int. Cl. : D 06 B, 1/00

A COMPOSITION FOR FLAME RETARDING FABRICS.

Applicant : ABRIGHT & WILSON U.K. LIMITED, A BRITISH COMPANY, OF 210-222 HIGLEY ROAD WEST, OLDBURY, WARLEY WEST MIDLANDS, ENGLAND.

Inventors : ROBERT WILLIAM BLACK.

Application for Patent No. 253/Del/91 filed on 26-5-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

26 Claims

A composition for flame retarding fabrics which comprises :--

- (i) 15-30% by weight of an at least partly water insoluble ammonium polyphosphate;
- (ii) 0.1-5% by weight of a surfactant of the kind such as hereinbefore described;
- (iii) 10-30% by weight of a heat curable resin of the kind such as hereinbefore described;
- (iv) 40-60% by weight of water;

and the balance, if any, comprising one or more conventional adjuvants of the kind described hereinbefore.

(Complete Specification 29 Pages; Drawing Sheet Nil)

Ind. Cl. : 60 X 2 (b)

180912

Int. Cl.⁴ : A61K, 31/425, 31/40, C07D 275/00

A PROCESS FOR PREPARATION OF SYNERGISTIC COMPOSITION OF STABILISED 3-150 THIAZOLONE AND COMPOSITION PREPARED THEREBY.

Applicant : ROHM AND HASS COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE UNITED STATES OF AMERICA, OF INDEPENDENCE MALL WEST, PHILADELPHIA, PENNSYLVANIA 19105, USA.

Inventors :

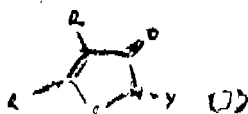
- (1) GARY LAWIS WILLINGHAM,
- (2) HOHN ROBERT MATTOX.

Application for Patent No. 263/Del/91 filed on dated 1-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A process for the preparation of a synergistic composition of stabilized 3-isothiazonone comprising (1) incorporating a 3-isothiazolone of the formula I



where Y is (C₁-C₈) alkyl or (C₃-C₁₂) cycloalkyl each optionally substituted with one of more hydroxy, halo, cyano, alkyamino, dialkylamine, aryamino, carbony, carbalkoxy, alkoxy, aryloxy, alkylthio, arylthio, haloalkoxy, cycloalkylamino, carbamoxym or isothiazolonyl; an unsubstituted (C₂-C₆) alkenyl or alkynyl; a (C₇-C₁₀) aralkyl optionally substituted with one or more of halogen, (C₁-C₄) alkyl or (C₁-C₄) alkoxy; or an aryl optionally substituted with one or more of halogen nitro, (C₁-C₄) alkyl, (C₁-C₄) alkyl-acylamino, carbo (C₁-C₄) alkoxy or sulfamyl; and R and R¹ is

each independently H, halogen or (C₁-C₄) alkyl with a phenoxyalkanol, preferably by dissolving said 3-isothiazolone in the phenoxyalkanol, wherein the weight ratio of the 3-isothiazolone to phenoxyalkanol is from 0.1 : 99.9 to 25 : 75; and (ii) optionally adding up to 25% by weight of surfactant, inorganic salt, polymetric dispersant, humectant, viscosity modifier, or freezing point depressant.

(Complete Specification 18 Pages; Drawing Sheet Nil)

Ind. Cl. : 133 A

180913

Int. Cl.⁴ : H02 P 1/00

AN APPARATUS FOR CONTROLLING THE APPLICATION OF ELECTRICITY TO AN ALTERNATING CURRENT (AC) ELECTRIC MOTOR.

Applicant : ALLEN-BRADLEY COMPANY, INC., A WISCONSIN, UNITED STATES OF AMERICA CORPORATION, 1201 SOUTH SECOND STREET, MILWAUKEE, WISCONSIN 53204, USA.

Inventors :

- (1) STEVEN ANTHONY LOMBARDI,
- (2) RICHARD DEAN MARASCH.

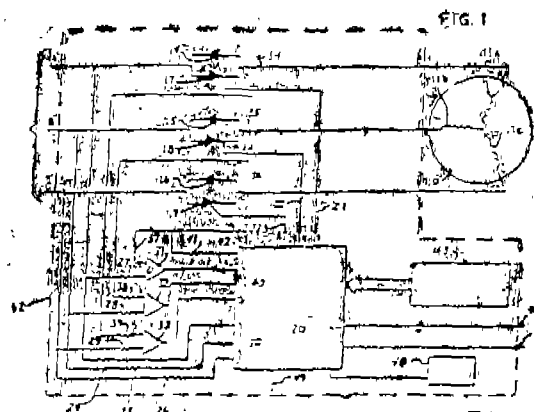
Application for Patent No. 0264/Del/91 filed on date 1-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

An apparatus for controlling the application of electricity to an alternating current (AC) electric motor, the apparatus comprising :

a switch assembly connecting the electric motor to a source of AC electricity, the switch assembly being conductive from the moment of application of a trigger pulse until the magnitude of current therethrough goes to zero; a detector connected to the source of AC electricity; a variable frequency clock signal generator to produce a clock signal; a counter connected to the detector and to the clock signal generator, the counter counting the cycles of the clock signal, the counter beginning counting when the detector detects an occurrence of a periodically occurring condition of the AC electricity, and the counter producing a trigger pulse when a predetermined count is reached; a trigger pulse circuit connected to the counter and to the switch assembly, the trigger pulse circuit applying the trigger pulse to the switch assembly; and a frequency setting circuit connected to the clock signal generator for varying the frequency of the clock signal to alter the amount of electricity applied by the switch assembly to the electric motor.



(Complete Specification 35 Pages;

Drawing Sheets 2)

Ind. Cl. : 32P-1 IX (1)

180914

18 Claims

Int. Cl. : C07C 17/00, 19/00

A METHOD FOR THE MANUFACTURE OF 1, 1, 1, 2-TETRAFLUOROETHANE.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC.
A BRITISH COMPANY OF IMPERIAL CHEMICAL
HOUSE, MILBANK, LONDON SW1P, 3JE ENGLAND.

Inventors :

- (1) JOHN DAVID SCOTT,
- (2) RACHEL ANNE STEVEN.

Application for Patent No. 265/Del/91 filed on 01-04-91.

Convention Application No. 9007029.3/U.K./29-03-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005

11 Claims

A method for the manufacture of 1, 1, 1, 2-tetrafluoroethane which comprises the steps of :

- (a) contacting a mixture of 1, 1, 1-trifluoro-2-chloroethane and hydrogen fluoride with a conventional fluorination catalyst at a temperature in the range of about 280 to 450 °C in a first reaction zone to form a product containing 1, 1, 1, 2-tetrafluoroethane and hydrogen chloride together with unreacted starting materials;
- (b) passing the total product of step (a) together with trichloroethylene to a second reaction zone containing a conventional fluorination catalyst at a temperature in the range of about 200-400°C but lower than the temperature in step (a) to obtain a product containing 1, 1, 1-trifluoro-2-chloroethane, hydrogen chloride and unreacted trichloroethylene;
- (c) treating in any conventional manner the product of step (b) to separate 1, 1, 1, 2-tetrafluoroethane and hydrogen chloride from 1, 1, 1, trifluoro-2-chloroethane, unreacted hydrogen fluoride and trichloroethylene; and
- (d) recovering in any conventional manner 1, 1, 1, 2, tetrafluoroethane from the mixture of 1, 1, 1, 2, tetrafluoroethane and hydrogen chloride separated out in step (c).

(Complete Specification 15 Pages; Drawing Sheet Nil)

Ind. Cl. : 56 F

180915

Int. Cl. : A61K, 7/075

FUEL OIL ADDITIVE COMPOSITIONS.

Applicant : EXXON CHEMICAL PATENTS, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES UNITED STATES OF AMERICA.

Inventors :

- (1) IAIN MORE,
- (2) DARRYL ROYSTON TERENCE SMITH,
- (3) WAYNE MARC CAMARCO.

Application for Patent No. 267/Del/91 filed on date 2-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

A fuel oil additive composition comprising :

- (a) one or more of an ethylene- α -olefin copolymer having a number average molecular weight of at least 30,000 and an ethylene content of from 50 to 85 molar per cent;
- (b) one or more of an ethylene-ethylenically unsaturated monocarboxylic acid estercopolymer having an ester content of at least 10 molar per cent or an ethylene- α -olefin polymer having a number average molecular weight of at most 7500; and
- (c) one or more comb. polymers of the kind *reinbefore described components (a), (b) and (c) being preing present in proportions of 3 to 40, 50 to 85 and 3 to 25, percent by weight respectively, based on the total weight of components (a), (b) and (c).

(Complete Specification 26 Pages; Drawing Sheet Nil)

Ind. Cl. : 40 B

180916

Int. Cl. : B 01J 23/42

A METHOD FOR THE PRODUCTION OF AN ELECTROCATALYTIC MATERIAL.

Applicant : JOHNSON MATTHEY PUBLIC LIMITED COMPANY A BRITISH BODY CORPORATE OF 78 HATTON GARDEN, LONDON EC1N 8BJ, UNITED KINGDOM.

Inventors :

- (1) JEFFREY STUART BUCHANAN,
- (2) GRAHAM ALAN HARDS,
- (3) LINDSEY KECK.

Application for Patent No. 268/Del/91 filed on date 2-4-91

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A method for the production of an electrocatalytic material such as an alloy of platinum supported on a conductive carbon support or substrate, said method comprising depositing from a basic solution compounds of platinum of the kind such as herein described and one or more alloying elements of the kind such as herein described onto the conductive carbon substrate to deposit a total amount of platinum of 20 to 60 wt. % on the substrate, and reducing and heat treating in any known manner the substrate carrying the compounds to a temperature of 600 to 1000°C to obtain an alloy of platinum and at least one other element such as herein described having an ECA in excess of 35m²/g of platinum.

(Complete Specification 22 Pages; Drawing Sheet Nil)

Ind. Cl. : 21

180917

Int. Cl. : A43B 21/30

AN ATHLETIC SHOE HAVING A SHOCK ABSORBING, ENERGY STORING AND FOOT STABILIZING DEVICE.

Applicant : L.A. GEAR, INC., OF 4221 REDWOOD AVENUE, LOS ANGELES, CALIFORNIA 90066, UNITED STATES OF AMERICA.

Inventor : RIC YALE CLAVERIA, A U.S. CITIZEN OF 25972 HINCKLEY, LOMA LINDA, CALIFORNIA 92354, UNITED STATES OF AMERICA.

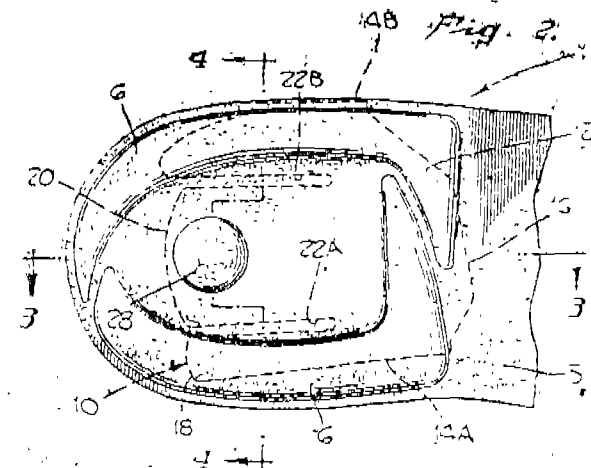
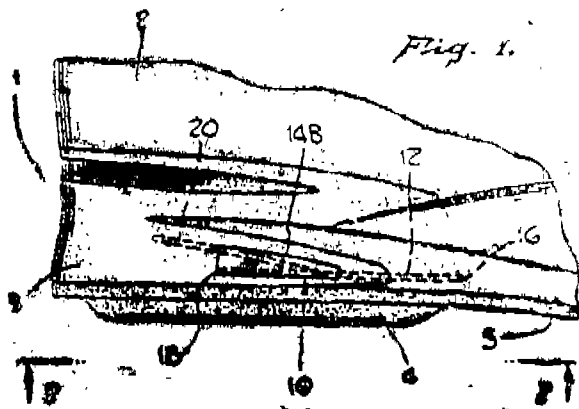
Application for Patent No. 306/Del/91 filed on date 10-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

An athletic shoe having an shock absorbing, energy storing and foot stabilizing device, comprising an upper portion (16); a sole portion (3) attached to said upper portion, (16) said sole portion having at least a midsole (4) and an outsole, (5) said midsole (4) and said outsole (5) each having a heel portion;

characterized by a spring device (10) comprising a thin substantially planar, heel-sized plate (12) made of a strong stiff yet resiliently-flexible material as herein defined, said plate (12) being fixed by encapsulation within the midsole (4) of the heel portion of the sole (3) in a substantially horizontal position above the outsole, (5) said plate (12) having a pair of lateral edges, (14A, 14B) front and rear ends, (16, 18) and a rearwardly-extending spring member, (20) said spring member (20) being integral with the encapsulated portion of said plate, (12) the rearmost portion of said spring member (20) being positioned below the large heel bone of a wearer's foot said spring member (20) having an upward incline with respect to the rest of said horizontal plate, (12) and which flexes vertically up and down when subjected to stress in use, the midsole (4) being relieved in an area (22A) below the spring member (20) to permit said spring member (20) to bend freely downward.



(Complete Specification 14 Pages; Drawing 2 Sheets)

Ind. Cl. : 40F, 132D

180918

Int. Cl. : B01J 19/28

A REACTOR FOR HIGHLY VISCOUS MEDIA.

Applicant : KARL FISCHER INDUSTRIE ANLAGEN GMBH, OF HOLZHAUSER STRASSE 157, D-1000 BERLIN 27, GERMANY.

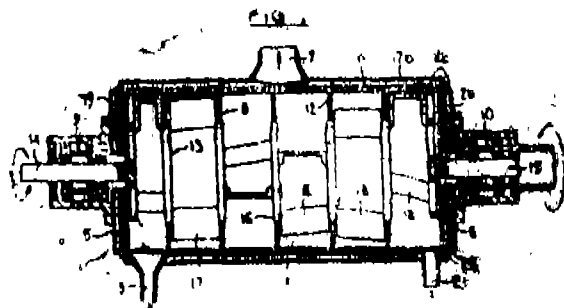
Inventor : GERKING LUDER.

Application for Patent No. 309/Del/91 filed on date 10-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

Reactor for highly viscous media comprising a horizontally oriented casing (4) having an inlet (2) and an outlet (3), said casing (4) having mounted therein for rotation on stub shafts (9), (10) a first cage-like rotor (8), said cage-like rotor (8) adapted to be immersed in and to thoroughly mix said highly viscous medium entraining part of said medium in rotation direction and forming free surfaces through the draining and dripping off from said cage-like rotor (8), characterized in that there is provided coaxially with respect to said first cage-like rotor (8) a second rotor (13) for removing adhering medium from said first cage-like rotor (8) and that at least one of said two rotors (8), (13) are provided with conveying the medium from the inlet (2) to the outlet (3), one of said rotors (8) or (13) rotation within the other said rotor (13) or (8).



(Complete Specification 10 Pages;

Drawing Sheet 1)

Ind. Cl. : 189

180919

Int. Cl. : A 61 F 13/18

A METHOD FOR PRODUCING POROUS ABSORBENT POLYMERIC SHAPED ARTICLE HAVING INTERCONNECTED BY INTERCOMMUNICATING CHANNELS.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventors : DONALD CARROLL ROE, FRANK HENRY LAHRMAN & CHARLES JOHN BERG.

Application for Patent No. : 310/D/91 dt. 11-04-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A method for producing porous absorbent polymeric shaped article having pores interconnected by intercommunicating channels, comprising (I) a multiplicity of precursor particles of substantially water-insoluble, absorbent, hydrogel-forming, polymer material and (II) an interparticle crosslinking agent reacted with said polymer material of said precursor particles to form covalent crosslink bonds between said precursor particles, said inter-particle crosslinked aggregate having pores between adjacent of said precursor particles, said pores being interconnected by intercommunicating channels, thus forming a liquid permeable macrostructure, the circumarbed dry volume of the macrostructure being greater than about 10.0 cm³ wherein :

(a) providing a multiplicity of precursor particles of substantially water-insoluble, absorbent, hydrogel-forming, polymer material;

(b) applying an interparticle crosslinking agent onto said precursor particles, said interparticle crosslinking agent being capable of reacting with said polymer material of said precursor particles;

(c) reacting said interparticle crosslinking agent with said polymer material of said precursor particles of said aggregate while maintaining the physical association of said precursor particles to form crosslink bonds between said precursor particles to form an interparticle crosslinked aggregate macrostructure.

(Complete Specification : 61 Pages; Drawings : 5 Sheets)

Ind. Cl. : 1A, 32E

180920

Int. Cl. : A 61 F 13/w

A METHOD FOR PRODUCING A PARTICULATE ABSORBENT, POLYMERIC SHAPED ARTICLE.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA, HEREBY DECLARE.

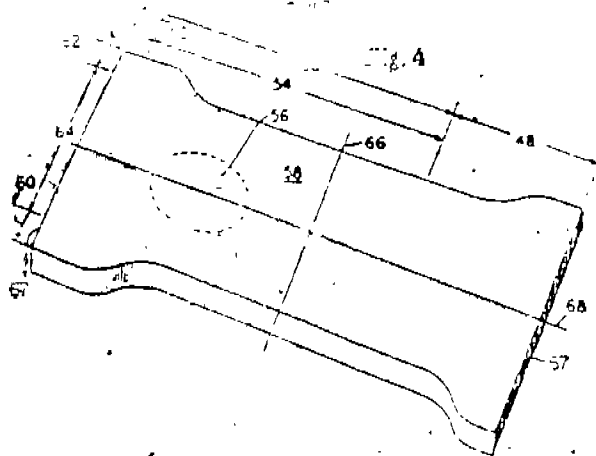
Inventors : DONALD CARROLL ROE, FRANK HENRY LAHRMAN AND CHARLES JOHN BERG.

Application for Patent No. 311/Del/91 filed on 11-04-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A method for producing a particulate, absorbent, polymeric shaped article comprising interparticle crosslinked aggregates, comprising the steps of :—(a) multiplicity of precursor particles of substantially waterinsoluble, absorbent, hydrogel-forming, polymer material; (b) applying an interparticle crosslinking agent onto said precursor particles, said interparticle crosslinking agent capable of reacting with said polymer material of said precursor particles; (c) Physically associating said precursor particles to form a multiplicity of aggregates and (d) reacting said interparticle crosslinking agent with said polymer material of said precursor particles of said aggregates, while maintaining the physical association of said precursor particles, to form crosslink bonds between said precursor particles, to form interparticle crosslinked aggregates, said interparticle crosslinked aggregates being present in the polymeric composition in an amount such that the polymeric composition has a mass average particle size 25%—50% greater than the mass average particle size of said precursor particles.



(Complete Specification : 108 Pages; Drawings : 12 Sheets)

CESSATION OF PATENTS

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178829*D 178830* 178831 178832 178834 178835 178836
178837* 178839 178840

CAL—10, DEL—J4, MUM—Nil—Chen-13.

*Patent shall be deemed to be endorsed with words Lincence of Right Under Section 87 of the Patents Act., 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents

F—Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 30 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. Nos. 174062, 174063, 174068 & 174069. Titan Industries Limited, an Indian company registered under the Companies Act, 1956, whose address is Golden Enclave, Tower-A, Airport Road, Bangalore-560017, Karnataka, India, "WATCH", 17th June 1997.

Class 1. No. 174005, Jyoti Industries, a regd. partnership firm having its office at 914, Electron House, Century Mill Passage Road, Near Century Bazar, Worli, Mumbai-400025, Maharashtra, India, "BALL CATCH LOCKING ROD", 9th June 1997.

Class 1. No. 174007, Jyoti Industries, a regd. partnership firm having its office at 914, Electron House, Century Mill Passage Road, Near Century Bazar, Worli, Mumbai-400025, Maharashtra, India, "COLLET HOLDER", 9th June 1997.

Class 1. No. 174008, Jyoti Industries, a regd. partnership firm having its office at 914, Electron House, Century Mill Passage Road, Near Century Bazar, Worli, Mumbai-400025, Maharashtra, India, "COLLET", 9th June 1997.

Class 3. No. 174316/174317, Acqua Minerals Ltd., an Indian company having its regd. office at 101, GIDC Industrial Area, Vatva, Ahmedabad-382446, Gujarat, India, "GLASS", 17th July 1997.

Class 3. No. 174440, Mohan Shreenivas Rao, Proprietor of M/s. Saral Utilities having office at A-9, Ambuja Apartment, Gopal Chowk, Bhairavnath Maninagar, Ahmedabad-380008, India, "FOOD PROCESSOR", 4th August 1997.

Class 3. No. 174284, Vishesh Enterprises, A 204, Claridge, Samarth Nagar, Cross Road, No. 3, Lokhandwala Complex, Andheri (W), Mumbai-400058, Maharashtra, India, a proprietary concern, "TOOTH BRUSH", 15th July 1997.

Class 3. No. 174419, Vishesh Enterprises, A 204, Claridge, Samarth Nagar, Cross Road, No. 3, Lokhandwala Complex, Andheri (W), Mumbai-400058, Maharashtra, India, a proprietary concern "TOOTH BRUSH", 30th July 1997.

Class 10. Nos. 174964 & 174965, API Polymers (India) Ltd., an Indian company regd. under the Indian Comh. Act, 1956 having its regd. office at J. 17, Udyog Nagar, Main Rohtak Road, New Delhi-110041, India, "SHOE SOLE", 7th November 1997.

Class 12. No. 174059, Kridnak Udyog, 150, Jainuria Mills, Subzi Mandi, Clock Tower, Delhi-110007, India, Proprietary firm, "SWAN TOY", 17th June 1997.

Class 12. No. 174060, Kridnak Udyog, 150, Jainuria Mills, Subzi Mandi, Clock Tower, Delhi-110007, India, Proprietary firm, "RAT TOY", 17th June 1997.

T. R. SUBRAMANIAN,

Controller General of Patents Designs & Trademarks

प्रकाशक, भारत सरकार मद्रास, फरीदाबाद द्वारा मद्रास

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1998

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